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SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

HILLMAN, Jennifer L.

TANG, Y. Tom

BANDMAN, Olga

LAL, Preeti

YUE, Henry

LU, Dyung Aina M.

BAUGHN, Mariah R.

YANG, Junming

AZIMZAI, Yalda

<120> GTPASE ASSOCIATED PROTEINS

<130> PF-0629 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/109,592; 60/118,610; 60/127,990

<151> 1998-11-23; 1999-02-04; 1999-04-06

<160> 58

<170> PERL Program

<210> 1

<211> 1002

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 708398CD1

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Asp	Arg	Glu	Arg	Leu	Arg	Thr	Ile	Tyr	Asn	Arg	Asp	Phe	Lys	Ile
				35					40					45
Ser	Phe	Gly	Thr	Pro	Ala	Pro	Gly	Phe	Ser	Ser	Met	Leu	Tyr	Gly
				50					55					60
Met	Lys	Ile	Ala	Asn	Leu	Ala	Tyr	Val	Thr	Lys	Thr	Arg	Val	Arg
				65					70					75
Phe	Phe	Arg	Leu	Asp	Arg	Trp	Ala	Asp	Val	Arg	Phe	Pro	Glu	Lys
				80					85					90
Arg	Arg	Met	Lys	Leu	Gly	Ser	Asp	Ile	Ser	Lys	His	His	Lys	Ser
				95					100					105
Leu	Leu	Ala	Lys	Ile	Phe	Tyr	Asp	Arg	Ala	Glu	Tyr	Leu	His	Gly
				110					115					120
Lys	His	Gly	Val	Asp	Val	Glu	Val	Gln	Gly	Pro	His	Glu	Ala	Arg

Asp Gly Gln Leu	125	Leu Ile Arg Leu Asp	130	Leu Asn Arg Lys Glu	135
Leu Thr Leu Arg	140	Leu Arg Asn Gly Gly	145	Thr Gln Ser Val Thr	150
Thr His Leu Phe	155	Pro Leu Cys Arg Thr	160	Pro Gln Phe Ala Phe	165
Asn Glu Asp Gln	170	Glu Leu Pro Cys Pro	175	Leu Gly Pro Gly Glu	180
Tyr Glu Leu His	185	Val His Cys Lys Thr	190	Ser Phe Val Gly Tyr	195
Pro Ala Thr Val	200	Leu Trp Glu Leu Leu	205	Gly Pro Gly Glu Ser	210
Ser Glu Gly Ala	215	Gly Thr Phe Tyr Ile	220	Ala Arg Phe Leu Ala	225
Val Ala His Ser	230	Pro Leu Ala Ala Gln	235	Leu Lys Pro Met Thr	240
Phe Lys Arg Thr	245	Arg Ile Thr Gly Asn	250	Pro Val Val Thr Asn	255
Ile Glu Glu Gly	260	Glu Arg Pro Asp Arg	265	Ala Lys Gly Tyr Asp	270
Glu Leu Ser Met	275	Ala Leu Gly Thr Tyr	280	Tyr Pro Pro Pro Arg	285
Arg Gln Leu Leu	290	Pro Met Leu Leu Gln	295	Gly Thr Ser Ile Phe	300
Ala Pro Lys Glu	305	Ile Ala Glu Ile Lys	310	Ala Gln Leu Glu Thr	315
Leu Lys Trp Arg	320	Asn Tyr Glu Val Lys	325	Leu Arg Leu Leu Leu	330
Leu Glu Glu Leu	335	Gln Met Glu His Asp	340	Ile Arg His Tyr Asp	345
Glu Ser Val Pro	350	Met Thr Trp Asp Pro	355	Val Asp Gln Asn Pro	360
Leu Leu Thr Leu	365	Glu Val Pro Gly Val	370	Thr Glu Ser Arg Pro	375
Val Leu Arg Gly	380	Asp His Leu Phe Ala	385	Leu Leu Ser Ser Glu	390
His Gln Glu Asp	395	Pro Ile Thr Tyr Lys	400	Gly Phe Val His Lys	405
Glu Leu Asp Arg	410	Val Lys Leu Ser Phe	415	Ser Met Ser Leu Leu	420
Arg Phe Val Asp	425	Gly Leu Thr Phe Lys	430	Val Asn Phe Thr Phe	435
Arg Gln Pro Leu	440	Arg Val Gln His Arg	445	Ala Leu Glu Leu Thr	450
Arg Trp Leu Leu	455	Trp Pro Met Leu Phe	460	Pro Val Ala Pro Arg	465
Val Pro Leu Leu	470	Pro Ser Asp Val Lys	475	Leu Lys Leu Tyr Asp	480
Ser Leu Glu Ser	485	Asn Pro Glu Gln Leu	490	Gln Ala Met Arg His	495
Val Thr Gly Thr	500	Thr Arg Pro Ala Pro	505	Tyr Ile Ile Phe Gly	510
Pro Gly Thr Gly	515	Lys Thr Val Thr Leu	520	Val Glu Ala Ile Lys	525
	530		535		540

Val	Val	Lys	His	Leu	Pro	Lys	Ala	His	Ile	Leu	Ala	Cys	Ala	Pro	545	550	555
Ser	Asn	Ser	Gly	Ala	Asp	Leu	Leu	Cys	Gln	Arg	Leu	Arg	Val	His	560	565	570
Leu	Pro	Ser	Ser	Ile	Tyr	Arg	Leu	Leu	Ala	Pro	Ser	Arg	Asp	Ile	575	580	585
Arg	Met	Val	Pro	Glu	Asp	Ile	Lys	Pro	Cys	Cys	Asn	Trp	Asp	Ala	590	595	600
Lys	Lys	Gly	Glu	Tyr	Val	Phe	Pro	Ala	Lys	Lys	Lys	Leu	Gln	Glu	605	610	615
Tyr	Arg	Val	Leu	Ile	Thr	Thr	Leu	Ile	Thr	Ala	Gly	Arg	Leu	Val	620	625	630
Ser	Ala	Gln	Phe	Pro	Ile	Asp	His	Phe	Thr	His	Ile	Phe	Ile	Asp	635	640	645
Glu	Ala	Gly	His	Cys	Met	Glu	Pro	Glu	Ser	Leu	Val	Ala	Ile	Ala	650	655	660
Gly	Leu	Met	Glu	Val	Lys	Glu	Thr	Gly	Asp	Pro	Gly	Gly	Gln	Leu	665	670	675
Val	Leu	Ala	Gly	Asp	Pro	Arg	Gln	Leu	Gly	Pro	Val	Leu	Arg	Ser	680	685	690
Pro	Leu	Thr	Gln	Lys	His	Gly	Leu	Gly	Tyr	Ser	Leu	Leu	Glu	Arg	695	700	705
Leu	Leu	Ile	Tyr	Asn	Ser	Leu	Tyr	Lys	Lys	Gly	Pro	Asp	Gly	Tyr	710	715	720
Asp	Pro	Gln	Phe	Ile	Thr	Lys	Leu	Leu	Arg	Asn	Tyr	Arg	Ser	His	725	730	735
Pro	Thr	Ile	Leu	Asp	Ile	Pro	Asn	Gln	Leu	Tyr	Tyr	Glu	Gly	Glu	740	745	750
Leu	Gln	Ala	Cys	Ala	Asp	Val	Val	Asp	Arg	Glu	Arg	Phe	Cys	Arg	755	760	765
Trp	Ala	Gly	Leu	Pro	Arg	Gln	Gly	Phe	Pro	Ile	Ile	Phe	His	Gly	770	775	780
Val	Met	Gly	Lys	Asp	Glu	Arg	Glu	Gly	Asn	Ser	Pro	Ser	Phe	Phe	785	790	795
Asn	Pro	Glu	Glu	Ala	Ala	Thr	Val	Thr	Ser	Tyr	Leu	Lys	Leu	Leu	800	805	810
Leu	Ala	Pro	Ser	Ser	Lys	Lys	Gly	Lys	Ala	Arg	Leu	Ser	Pro	Arg	815	820	825
Ser	Val	Gly	Val	Ile	Ser	Pro	Tyr	Arg	Lys	Gln	Val	Glu	Lys	Ile	830	835	840
Arg	Tyr	Cys	Ile	Thr	Lys	Leu	Asp	Arg	Glu	Leu	Arg	Gly	Leu	Asp	845	850	855
Asp	Ile	Lys	Asp	Leu	Lys	Val	Gly	Ser	Val	Glu	Glu	Phe	Gln	Gly	860	865	870
Gln	Glu	Arg	Ser	Val	Ile	Leu	Ile	Ser	Thr	Val	Arg	Ser	Ser	Gln	875	880	885
Ser	Phe	Val	Gln	Leu	Asp	Leu	Asp	Phe	Asn	Leu	Gly	Phe	Leu	Lys	890	895	900
Asn	Pro	Lys	Arg	Phe	Asn	Val	Ala	Val	Thr	Arg	Ala	Lys	Ala	Leu	905	910	915
Leu	Ile	Ile	Val	Gly	Asn	Pro	Leu	Leu	Leu	Gly	His	Asp	Pro	Asp	920	925	930
Trp	Lys	Val	Phe	Leu	Glu	Phe	Cys	Lys	Glu	Asn	Gly	Gly	Tyr	Thr	935	940	945
Gly	Cys	Pro	Phe	Pro	Ala	Lys	Leu	Asp	Leu	Gln	Gln	Gly	Gln	Asn			

	950		955		960
Leu Leu Gln Gly	Leu Ser Lys Leu Ser	Pro Ser Thr Ser Gly	Pro		
	965		970		975
His Ser His Asp	Tyr Leu Pro Gln Glu	Arg Glu Gly Glu Gly	Gly		
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Leu Ser Leu Gln	Val Glu Pro Glu Trp	Arg Asn Glu			
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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1259937CD1

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Asp Ala Arg Gly	Val Ala Thr Ser Leu	Gly Leu Asn Glu Arg	Leu
	35	40	45
Phe Val Val Asn	Pro Gln Glu Val His	Glu Leu Ile Pro His	Pro
	50	55	60
Asp Gln Leu Gly	Pro Thr Val Gly Ser	Ala Glu Gly Leu Asp	Leu
	65	70	75
Val Ser Ala Lys	Asp Leu Ala Gly Gln	Leu Thr Asp His Asp	Trp
	80	85	90
Ser Leu Phe Asn	Ser Ile His Gln Val	Glu Leu Ile His Tyr	Val
	95	100	105
Leu Gly Pro Gln	His Leu Arg Asp Val	Thr Thr Ala Asn Leu	Glu
	110	115	120
Arg Phe Met Arg	Arg Phe Asn Glu Leu	Gln Tyr Trp Val Ala	Thr
	125	130	135
Glu Leu Cys Leu	Cys Pro Val Pro Gly	Pro Arg Ala Gln Leu	Leu
	140	145	150
Arg Lys Phe Ile	Lys Leu Ala Ala His	Leu Lys Glu Gln Lys	Asn
	155	160	165
Leu Asn Ser Phe	Phe Ala Val Met Phe	Gly Leu Ser Asn Ser	Ala
	170	175	180
Ile Ser Arg Leu	Ala His Thr Trp Glu	Arg Leu Pro His Lys	Val
	185	190	195
Arg Lys Leu Tyr	Ser Ala Leu Glu Arg	Leu Leu Asp Pro Ser	Trp
	200	205	210
Asn His Arg Val	Tyr Arg Leu Ala Leu	Ala Lys Leu Ser Pro	Pro
	215	220	225
Val Ile Pro Phe	Met Pro Leu Leu Leu	Lys Asp Met Thr Phe	Ile
	230	235	240
His Glu Gly Asn	His Thr Leu Val Glu	Asn Leu Ile Asn Phe	Glu
	245	250	255
Lys Met Arg Met	Met Ala Arg Ala Ala	Arg Met Leu His His	Cys
	260	265	270

Arg	Ser	His	Asn	Pro	Val	Pro	Leu	Ser	Pro	Leu	Arg	Ser	Arg	Val
				275					280					285
Ser	His	Leu	His	Glu	Asp	Ser	Gln	Val	Ala	Arg	Ile	Ser	Thr	Cys
				290					295					300
Ser	Glu	Gln	Ser	Leu	Ser	Thr	Arg	Ser	Pro	Ala	Ser	Thr	Trp	Ala
				305					310					315
Tyr	Val	Gln	Gln	Leu	Lys	Val	Ile	Asp	Asn	Gln	Arg	Glu	Leu	Ser
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Arg	Leu	Ser	Arg	Glu	Leu	Glu	Pro							
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<223> Incyte ID No: 1452285CD1

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Gly	Asp	Leu	Gly	Val	Gly	Lys	Thr	Ser	Ile	Ile	Lys	Arg	Tyr	Val
				20					25					30
His	Gln	Asn	Phe	Ser	Ser	His	Tyr	Arg	Ala	Thr	Ile	Gly	Val	Asp
				35					40					45
Phe	Ala	Leu	Lys	Val	Leu	His	Trp	Asp	Pro	Glu	Thr	Val	Val	Arg
				50					55					60
Leu	Gln	Leu	Trp	Asp	Ile	Ala	Gly	Gln	Glu	Arg	Phe	Gly	Asn	Met
				65					70					75
Thr	Arg	Val	Tyr	Tyr	Arg	Glu	Ala	Met	Gly	Ala	Phe	Ile	Val	Phe
				80					85					90
Asp	Val	Thr	Arg	Pro	Ala	Thr	Phe	Glu	Ala	Val	Ala	Lys	Trp	Lys
				95					100					105
Asn	Asp	Leu	Asp	Ser	Lys	Leu	Ser	Leu	Pro	Asn	Gly	Lys	Pro	Val
				110					115					120
Ser	Val	Val	Leu	Leu	Ala	Asn	Lys	Cys	Asp	Gln	Gly	Lys	Asp	Val
				125					130					135
Leu	Met	Asn	Asn	Gly	Leu	Lys	Met	Asp	Gln	Phe	Cys	Lys	Glu	His
				140					145					150
Gly	Phe	Val	Gly	Trp	Phe	Glu	Thr	Ser	Ala	Lys	Glu	Asn	Ile	Asn
				155					160					165
Ile	Asp	Glu	Ala	Ser	Arg	Cys	Leu	Val	Lys	His	Ile	Leu	Ala	Asn
				170					175					180
Glu	Cys	Asp	Leu	Met	Glu	Ser	Ile	Glu	Pro	Asp	Val	Val	Lys	Pro
				185					190					195
His	Leu	Thr	Ser	Thr	Lys	Val	Ala	Ser	Cys	Ser	Gly	Cys	Ala	Lys
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Ser

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<211> 516

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 1812894CD1

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Ala	Glu	Ala	Val	Ala	Ala	Val	Gln	Arg	Gln	Cys	Gln	Glu	Glu	Val
				20					25					30
Ala	Ser	Leu	Gln	Ala	Ile	Leu	Lys	Asp	Ser	Ile	Ser	Ser	Tyr	Glu
				35					40					45
Ala	Gln	Ile	Thr	Ala	Leu	Lys	Gln	Glu	Arg	Gln	Gln	Gln	Gln	Gln
				50					55					60
Asp	Cys	Glu	Glu	Lys	Glu	Arg	Glu	Leu	Gly	Arg	Leu	Lys	Gln	Leu
				65					70					75
Leu	Ser	Arg	Ala	Tyr	Pro	Leu	Asp	Ser	Leu	Glu	Lys	Gln	Met	Glu
				80					85					90
Lys	Ala	His	Glu	Asp	Ser	Glu	Lys	Leu	Arg	Glu	Ile	Val	Leu	Pro
				95					100					105
Met	Glu	Lys	Glu	Ile	Glu	Glu	Leu	Lys	Ala	Lys	Leu	Leu	Arg	Ala
				110					115					120
Glu	Glu	Leu	Ile	Gln	Glu	Ile	Gln	Arg	Arg	Pro	Arg	His	Ala	Pro
				125					130					135
Ser	Leu	His	Gly	Ser	Thr	Glu	Leu	Leu	Pro	Leu	Ser	Arg	Asp	Pro
				140					145					150
Ser	Pro	Pro	Leu	Glu	Pro	Leu	Glu	Glu	Leu	Ser	Gly	Asp	Gly	Gly
				155					160					165
Pro	Ala	Ala	Glu	Ala	Phe	Ala	His	Asn	Cys	Asp	Asp	Ser	Ala	Ser
				170					175					180
Ile	Ser	Ser	Phe	Ser	Leu	Gly	Gly	Gly	Val	Gly	Ser	Ser	Ser	Ser
				185					190					195
Leu	Pro	Gln	Ser	Arg	Gln	Gly	Leu	Ser	Pro	Glu	Gln	Glu	Glu	Thr
				200					205					210
Ala	Ser	Leu	Val	Ser	Thr	Gly	Thr	Leu	Val	Pro	Glu	Gly	Ile	Tyr
				215					220					225
Leu	Pro	Pro	Pro	Gly	Tyr	Gln	Leu	Val	Pro	Asp	Thr	Gln	Trp	Glu
				230					235					240
Gln	Leu	Gln	Thr	Glu	Gly	Arg	Gln	Leu	Gln	Lys	Asp	Leu	Glu	Ser
				245					250					255
Val	Ser	Arg	Glu	Arg	Asp	Glu	Leu	Gln	Glu	Gly	Leu	Arg	Arg	Ser
				260					265					270
Asn	Glu	Asp	Cys	Ala	Lys	Gln	Met	Gln	Val	Leu	Leu	Ala	Gln	Val
				275					280					285
Gln	Asn	Ser	Glu	Gln	Leu	Leu	Arg	Thr	Leu	Gln	Gly	Thr	Val	Ser
				290					295					300
Gln	Ala	Gln	Glu	Arg	Val	Gln	Leu	Gln	Met	Ala	Glu	Leu	Val	Thr
				305					310					315
Thr	His	Lys	Cys	Leu	His	His	Glu	Val	Lys	Arg	Leu	Asn	Glu	Glu
				320					325					330
Asn	Gln	Gly	Leu	Arg	Ala	Glu	Gln	Leu	Pro	Ser	Ser	Ala	Pro	Gln
				335					340					345
Gly	Ser	Gln	Gln	Glu	Gln	Gly	Glu	Glu	Glu	Ser	Leu	Pro	Ser	Ser

Val	Pro	Glu	Leu	Gln	Gln	Leu	Leu	Cys	350	Cys	Thr	Arg	Gln	Glu	Ala	355	360
Arg	Ala	Arg	Leu	Gln	Ala	Gln	Glu	His	365	Gly	Ala	Glu	Arg	Leu	Arg	370	375
Ile	Glu	Ile	Val	Thr	Leu	Arg	Glu	Ala	380	Leu	Glu	Glu	Glu	Thr	Val	385	390
Ala	Arg	Ala	Ser	Leu	Glu	Gly	Gln	Leu	395	Arg	Val	Gln	Arg	Glu	Glu	400	405
Thr	Glu	Val	Leu	Glu	Ala	Ser	Leu	Cys	410	Ser	Leu	Arg	Thr	Glu	Met	415	420
Glu	Arg	Val	Gln	Gln	Glu	Gln	Ser	Lys	425	Ala	Gln	Leu	Pro	Asp	Leu	430	435
Leu	Ser	Glu	Gln	Arg	Ala	Lys	Val	Leu	440	Arg	Leu	Gln	Ala	Glu	Leu	445	450
Glu	Thr	Ser	Glu	Gln	Val	Gln	Arg	Asp	455	Phe	Val	Arg	Leu	Ser	Gln	460	465
Ala	Leu	Gln	Val	Arg	Leu	Glu	Arg	Ile	470	Arg	Gln	Ala	Glu	Thr	Leu	475	480
Glu	Gln	Val	Arg	Ser	Ile	Met	Asp	Glu	485	Ala	Pro	Leu	Thr	Asp	Val	490	495
Arg	Asp	Ile	Lys	Asp	Thr				500							505	510
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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3074884CD1

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				20					25					30	
His	Pro	Asp	Val	Lys	Trp	Gly	Pro	Gly	Lys	Ser	Gln	Met	Thr	Arg	
				35					40					45	
Ala	Glu	Trp	Gln	Val	Ala	Glu	Ala	Thr	Ala	Leu	Val	His	Thr	Leu	
				50					55					60	
Asp	Gly	Trp	Ser	Val	Val	Gln	Thr	Met	Val	Val	Ser	Thr	Lys	Thr	
				65					70					75	
Pro	Asp	Arg	Lys	Leu	Ile	Phe	Gly	Lys	Gly	Asn	Phe	Glu	His	Leu	
				80					85					90	
Thr	Glu	Lys	Ile	Arg	Gly	Ser	Pro	Asp	Val	Thr	Cys	Val	Phe	Leu	
				95					100					105	
Asn	Val	Glu	Arg	Met	Ala	Ala	Pro	Thr	Lys	Lys	Glu	Leu	Glu	Ala	
				110					115					120	
Ala	Trp	Gly	Val	Glu	Val	Phe	Asp	Arg	Phe	Thr	Val	Val	Leu	His	
				125					130					135	
Ile	Phe	Arg	Cys	Asn	Ala	Arg	Thr	Lys	Glu	Ala	Arg	Leu	Gln	Val	
				140					145					150	

Ala Leu Ala Glu Met Pro Leu His Arg Ser Asn Leu Lys Arg Asp
155 160 165
Val Ala His Leu Tyr Arg Gly Val Gly Ser Arg Tyr Ile Met Gly
170 175 180
Ser Gly Glu Ser Phe Met Gln Leu Gln Gln Arg Leu Leu Arg Glu
185 190 195
Lys Glu Ala Lys Ile Arg Lys Ala Leu Asp Arg Leu Arg Lys Lys
200 205 210
Arg His Leu Leu Arg Arg Gln Arg Thr Arg Arg Glu Phe Pro Val
215 220 225
Ile Ser Val Val Gly Tyr Thr Asn Cys Gly Lys Thr Thr Leu Ile
230 235 240
Lys Ala Leu Thr Gly Asp Ala Ala Ile Gln Pro Arg Asp Gln Leu
245 250 255
Phe Ala Thr Leu Asp Val Thr Ala His Ala Gly Thr Leu Pro Ser
260 265 270
Arg Met Thr Val Leu Tyr Val Asp Thr Ile Gly Phe Leu Ser Gln
275 280 285
Leu Pro His Gly Leu Ile Glu Ser Phe Ser Ala Thr Leu Glu Asp
290 295 300
Val Ala His Ser Asp Leu Ile Leu His Val Arg Asp Val Ser His
305 310 315
Pro Glu Ala Glu Leu Gln Lys Cys Ser Val Leu Ser Thr Leu Arg
320 325 330
Gly Leu Gln Leu Pro Ala Pro Leu Leu Asp Ser Met Val Glu Val
335 340 345
His Asn Lys Val Asp Leu Val Pro Gly Tyr Ser Pro Thr Glu Pro
350 355 360
Asn Val Val Pro Val Ser Ala Leu Arg Gly His Gly Leu Gln Glu
365 370 375
Leu Lys Ala Glu Leu Asp Ala Ala Val Leu Lys Ala Thr Gly Arg
380 385 390
Gln Ile Leu Thr Leu Arg Val Arg Leu Ala Gly Ala Gln Leu Ser
395 400 405
Trp Leu Tyr Lys Glu Ala Thr Val Gln Glu Val Asp Val Ile Pro
410 415 420
Glu Asp Gly Ala Ala Asp Val Arg Val Ile Ile Ser Asn Ser Ala
425 430 435
Tyr Gly Lys Phe Arg Lys Leu Phe Pro Gly
440 445

<210> 6

<211> 445

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 3452277CD1

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Val Ser Leu Gly Gly Ile Val Lys Tyr Ser Glu Gln Phe Ser Ser

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Asn Asp Ala Ile Met Ser Gly Cys Leu Pro Ser Asn Pro Trp Ile					
	35		40		45
Thr Asp Asp Thr Gln Phe Trp Asp Leu Asn Ala Lys Leu Val Glu					
	50		55		60
Ile Pro Thr Lys Met Arg Val Glu Arg Trp Ala Phe Asn Phe Ser					
	65		70		75
Glu Leu Ile Arg Asp Pro Lys Gly Arg Gln Ser Phe Gln Tyr Phe					
	80		85		90
Leu Lys Lys Glu Phe Ser Gly Glu Asn Leu Gly Phe Trp Glu Ala					
	95		100		105
Cys Glu Asp Leu Lys Tyr Gly Asp Gln Ser Lys Val Lys Glu Lys					
	110		115		120
Ala Glu Glu Ile Tyr Lys Leu Phe Leu Ala Pro Gly Ala Arg Arg					
	125		130		135
Trp Ile Asn Ile Asp Gly Lys Thr Met Asp Ile Thr Val Lys Gly					
	140		145		150
Leu Lys His Pro His Arg Tyr Val Leu Asp Ala Ala Gln Thr His					
	155		160		165
Ile Tyr Met Leu Met Lys Lys Asp Ser Tyr Ala Arg Tyr Leu Lys					
	170		175		180
Ser Pro Ile Tyr Lys Asp Met Leu Ala Lys Ala Ile Glu Pro Gln					
	185		190		195
Glu Thr Thr Lys Lys Ser Ser Thr Leu Pro Phe Met Arg Arg His					
	200		205		210
Leu Arg Ser Ser Pro Ser Pro Val Ile Leu Arg Gln Leu Glu Glu					
	215		220		225
Glu Ala Lys Ala Arg Glu Ala Ala Asn Thr Val Asp Ile Thr Gln					
	230		235		240
Pro Gly Gln His Met Ala Pro Ser Pro His Leu Thr Val Tyr Thr					
	245		250		255
Gly Thr Cys Met Pro Pro Ser Pro Ser Ser Pro Phe Ser Ser Ser					
	260		265		270
Cys Arg Ser Pro Arg Lys Pro Phe Ala Ser Pro Ser Arg Phe Ile					
	275		280		285
Arg Arg Pro Ser Thr Thr Ile Cys Pro Ser Pro Ile Arg Val Ala					
	290		295		300
Leu Glu Ser Ser Ser Gly Leu Glu Gln Lys Gly Glu Cys Ser Gly					
	305		310		315
Ser Met Ala Pro Arg Gly Pro Ser Val Thr Glu Ser Ser Glu Ala					
	320		325		330
Ser Leu Asp Thr Ser Trp Pro Arg Ser Arg Pro Arg Ala Pro Pro					
	335		340		345
Lys Ala Arg Met Ala Leu Ser Phe Ser Arg Phe Leu Arg Arg Gly					
	350		355		360
Cys Leu Ala Ser Pro Val Phe Ala Arg Leu Ser Pro Lys Cys Pro					
	365		370		375
Ala Val Ser His Gly Arg Val Gln Pro Leu Gly Asp Val Gly Gln					
	380		385		390
Gln Leu Pro Arg Leu Lys Ser Lys Arg Val Ala Asn Phe Phe Gln					
	395		400		405
Ile Lys Met Asp Val Pro Thr Gly Ser Gly Thr Cys Leu Met Asp					
	410		415		420
Ser Glu Asp Ala Gly Thr Gly Glu Ser Gly Asp Arg Ala Thr Glu					
	425		430		435

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<210> 7
<211> 281
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4203832CD1
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<210> 8
<211> 301
<212> PRT
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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 104368CD1

<400> 8

Met	Thr	Thr	Leu	Asp	Asp	Lys	Leu	Leu	Gly	Glu	Lys	Leu	Gln	Tyr	1	5	10	15
Tyr	Tyr	Ser	Ser	Ser	Glu	Asp	Glu	Asp	Ser	Asp	His	Glu	Asp	Lys	20	25	30	35
Asp	Arg	Gly	Arg	Cys	Ala	Pro	Ala	Ser	Ser	Ser	Val	Pro	Ala	Glu	40	45	50	55
Ala	Glu	Leu	Ala	Gly	Glu	Gly	Ile	Ser	Val	Asn	Thr	Gly	Pro	Lys	60	65	70	75
Gly	Val	Ile	Asn	Asp	Trp	Arg	Arg	Phe	Lys	Gln	Leu	Glu	Thr	Glu	80	85	90	95
Gln	Arg	Glu	Glu	Gln	Cys	Arg	Glu	Met	Glu	Arg	Leu	Ile	Lys	Lys	100	105	110	115
Leu	Ser	Met	Thr	Cys	Arg	Ser	His	Leu	Asp	Glu	Glu	Glu	Glu	Gln	120	125	130	135
Gln	Lys	Gln	Lys	Asp	Leu	Gln	Glu	Lys	Ile	Ser	Gly	Lys	Met	Thr	140	145	150	155
Leu	Lys	Glu	Phe	Ala	Ile	Met	Asn	Glu	Asp	Gln	Asp	Asp	Glu	Glu	160	165	170	175
Phe	Leu	Gln	Gln	Tyr	Arg	Lys	Gln	Arg	Met	Glu	Glu	Met	Arg	Gln	180	185	190	195
Gln	Leu	His	Lys	Gly	Pro	Gln	Phe	Lys	Gln	Val	Phe	Glu	Ile	Ser	200	205	210	215
Ser	Gly	Glu	Gly	Phe	Leu	Asp	Met	Ile	Asp	Lys	Glu	Gln	Lys	Ser	220	225	230	235
Ile	Val	Ile	Met	Val	His	Ile	Tyr	Glu	Asp	Gly	Ile	Pro	Gly	Thr	240	245	250	255
Glu	Ala	Met	Asn	Gly	Cys	Met	Ile	Cys	Leu	Ala	Ala	Glu	Tyr	Pro	260	265	270	275
Ala	Val	Lys	Phe	Cys	Lys	Val	Lys	Ser	Ser	Val	Ile	Gly	Ala	Ser	280	285	290	295
Ser	Gln	Phe	Thr	Arg	Asn	Ala	Leu	Pro	Ala	Leu	Leu	Ile	Tyr	Lys				
Gly	Gly	Glu	Leu	Ile	Gly	Asn	Phe	Val	Arg	Val	Thr	Asp	Gln	Leu				
Gly	Asp	Asp	Phe	Phe	Ala	Val	Asp	Leu	Glu	Ala	Phe	Leu	Gln	Glu				
Phe	Gly	Leu	Leu	Pro	Glu	Lys	Glu	Val	Leu	Val	Leu	Thr	Ser	Val				
Arg	Asn	Ser	Ala	Thr	Cys	His	Ser	Glu	Asp	Ser	Asp	Leu	Glu	Ile				
Asp																		

<210> 9

<211> 485

<212> PRT

<220>

<223> Incyte ID No: 1441680CD1

<400> 9

12/65

Ser Asp Met His Tyr Arg Val Lys Glu Lys Ile Ile Lys Lys Phe
 365 370 375
 Glu Cys Asn Leu Leu Val Val Cys Ala Asn His Ile Ile Leu Cys
 380 385 390
 Gln Glu Lys Arg Leu Gln Cys Leu Ser Phe Ser Gly Val Lys Glu
 395 400 405
 Arg Glu Trp Gln Met Glu Ser Leu Ile Arg Tyr Ile Lys Val Ile
 410 415 420
 Gly Gly Pro Pro Gly Arg Glu Gly Leu Leu Val Gly Leu Lys Lys
 425 430 435
 Met Tyr Leu Leu Val Tyr Ser Phe Ile Leu Ile Val Lys Asp Tyr
 440 445 450
 Phe Ser Leu Ser Thr Asp Val Leu Gly Asn Leu Thr Trp Lys His
 455 460 465
 Val Cys Lys Lys His Tyr Trp Val Phe His Leu Phe Ser Trp Tyr
 470 475 480
 Tyr Ile Phe Val Gln
 485

<210> 10

<211> 447

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1494955CD1

<400> 10

Met Glu Leu Ser Gln Met Ser Glu Leu Met Gly Leu Ser Val Leu
 1 5 10 15
 Leu Gly Leu Leu Ala Leu Met Ala Thr Ala Ala Val Ala Arg Gly
 20 25 30
 Trp Leu Arg Ala Gly Glu Glu Arg Ser Gly Arg Pro Ala Cys Gln
 35 40 45
 Lys Ala Asn Gly Phe Pro Pro Asp Lys Ser Ser Gly Ser Lys Lys
 50 55 60
 Gln Lys Gln Tyr Gln Arg Ile Arg Lys Glu Lys Pro Gln Gln His
 65 70 75
 Asn Phe Thr His Arg Leu Leu Ala Ala Ala Leu Lys Ser His Ser
 80 85 90
 Gly Asn Ile Ser Cys Met Asp Phe Ser Ser Asn Gly Lys Tyr Leu
 95 100 105
 Ala Thr Cys Ala Asp Asp Arg Thr Ile Arg Ile Trp Ser Thr Lys
 110 115 120
 Asp Phe Leu Gln Arg Glu His Arg Ser Met Arg Ala Asn Val Glu
 125 130 135
 Leu Asp His Ala Thr Leu Val Arg Phe Ser Pro Asp Cys Arg Ala
 140 145 150
 Phe Ile Val Trp Leu Ala Asn Gly Asp Thr Leu Arg Val Phe Lys
 155 160 165
 Met Thr Lys Arg Glu Asp Gly Gly Tyr Thr Phe Thr Ala Thr Pro
 170 175 180
 Glu Asp Phe Pro Lys Lys His Lys Ala Pro Val Ile Asp Ile Gly

185 190 195
 Ile Ala Asn Thr Gly Lys Phe Ile Met Thr Ala Ser Ser Asp Thr
 200 205 210
 Thr Val Leu Ile Trp Ser Leu Lys Gly Gln Val Leu Ser Thr Ile
 215 220 225
 Asn Thr Asn Gln Met Asn Asn Thr His Ala Ala Val Ser Pro Cys
 230 235 240
 Gly Arg Phe Val Ala Ser Cys Gly Phe Thr Pro Asp Val Lys Val
 245 250 255
 Trp Glu Val Cys Phe Gly Lys Lys Gly Glu Phe Gln Glu Val Val
 260 265 270
 Arg Ala Phe Glu Leu Lys Gly His Ser Ala Ala Val His Ser Phe
 275 280 285
 Ala Phe Ser Asn Asp Ser Arg Arg Met Ala Ser Val Ser Lys Asp
 290 295 300
 Gly Thr Trp Lys Leu Trp Asp Thr Asp Val Glu Tyr Lys Lys Lys
 305 310 315
 Gln Asp Pro Tyr Leu Leu Lys Thr Gly Arg Phe Glu Glu Ala Ala
 320 325 330
 Gly Ala Ala Pro Cys Arg Leu Ala Leu Ser Pro Asn Ala Gln Val
 335 340 345
 Leu Ala Leu Ala Ser Gly Ser Ser Ile His Leu Tyr Asn Thr Arg
 350 355 360
 Arg Gly Glu Lys Glu Glu Cys Phe Glu Arg Val His Gly Glu Cys
 365 370 375
 Ile Ala Asn Leu Ser Phe Asp Ile Thr Gly Arg Phe Leu Ala Ser
 380 385 390
 Cys Gly Asp Arg Ala Val Arg Leu Phe His Asn Thr Pro Gly His
 395 400 405
 Arg Ala Met Val Glu Glu Met Gln Gly His Leu Lys Arg Ala Ser
 410 415 420
 Asn Glu Ser Thr Arg Gln Arg Leu Gln Gln Gln Leu Thr Gln Ala
 425 430 435
 Gln Glu Thr Leu Lys Ser Leu Gly Ala Leu Lys Lys
 440 445

<210> 11
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1508161CD1

<400> 11
 Met Pro Val Lys Lys Lys His Arg Ala Arg Met Ile Glu Tyr Phe
 1 5 10 15
 Ile Asp Val Ala Arg Glu Cys Phe Asn Ile Gly Asn Phe Asn Ser
 20 25 30
 Leu Met Ala Ile Ile Ser Gly Met Asn Met Ser Pro Val Ser Arg
 35 40 45
 Leu Lys Lys Thr Trp Ala Lys Val Lys Thr Ala Lys Phe Asp Ile
 50 55 60

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Leu Glu His Gln Met Asp Pro Ser Ser Asn Phe Tyr Asn Tyr Arg
      65      70      75
Thr Ala Leu Arg Gly Ala Ala Gln Arg Ser Leu Thr Ala His Ser
      80      85      90
Ser Arg Glu Lys Ile Val Ile Pro Phe Phe Ser Leu Leu Ile Lys
      95     100     105
Asp Ile Tyr Phe Leu Asn Glu Gly Cys Ala Asn Arg Leu Pro Asn
     110     115     120
Gly His Val Asn Phe Glu Lys Phe Trp Glu Leu Ala Lys Gln Val
     125     130     135
Ser Glu Phe Met Thr Trp Lys Gln Val Glu Cys Pro Phe Glu Arg
     140     145     150
Asp Arg Lys Ile Leu Gln Tyr Leu Leu Thr Val Pro Val Phe Ser
     155     160     165
Glu Asp Ala Leu Tyr Leu Ala Ser Tyr Glu Ser Glu Gly Pro Glu
     170     175     180
Asn His Ile Glu Lys Asp Arg Trp Lys Ser Leu Arg Ser Ser Leu
     185     190     195
Leu Gly Arg Val

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<210> 12

<211> 694

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1811877CD1

<400> 12

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Met Ala Phe Asp Pro Thr Ser Thr Leu Leu Ala Thr Gly Gly Cys
  1      5      10      15
Asp Gly Ala Val Arg Val Trp Asp Ile Val Arg His Tyr Gly Thr
      20      25      30
His His Phe Arg Gly Ser Pro Gly Val Val His Leu Val Ala Phe
      35      40      45
His Pro Asp Pro Thr Arg Leu Leu Leu Phe Ser Ser Ala Thr Asp
      50      55      60
Ala Ala Ile Arg Val Trp Ser Leu Gln Asp Arg Ser Cys Leu Ala
      65      70      75
Val Leu Thr Ala His Tyr Ser Ala Val Thr Ser Leu Ala Phe Ser
      80      85      90
Ala Asp Gly His Thr Met Leu Ser Ser Gly Arg Asp Lys Ile Cys
      95     100     105
Ile Ile Trp Asp Leu Gln Ser Cys Gln Ala Thr Arg Thr Val Pro
     110     115     120
Val Phe Glu Ser Val Glu Ala Ala Val Leu Leu Pro Glu Glu Pro
     125     130     135
Val Ser Gln Leu Gly Val Lys Ser Pro Gly Leu Tyr Phe Leu Thr
     140     145     150
Ala Gly Asp Gln Gly Thr Leu Arg Val Trp Glu Ala Ala Ser Gly
     155     160     165
Gln Cys Val Tyr Thr Gln Ala Gln Pro Pro Gly Pro Gly Gln Glu
     170     175     180

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Leu	Thr	His	Cys	Thr	Leu	Ala	His	Thr	Ala	Gly	Val	Val	Leu	Thr
				185					190					195
Ala	Thr	Ala	Asp	His	Asn	Leu	Leu	Leu	Tyr	Glu	Ala	Arg	Ser	Leu
				200					205					210
Arg	Leu	Gln	Lys	Gln	Phe	Ala	Gly	Tyr	Ser	Glu	Glu	Val	Leu	Asp
				215					220					225
Val	Arg	Phe	Leu	Gly	Pro	Glu	Asp	Ser	His	Val	Val	Val	Ala	Ser
				230					235					240
Asn	Ser	Pro	Cys	Leu	Lys	Val	Phe	Glu	Leu	Gln	Thr	Ser	Ala	Cys
				245					250					255
Gln	Ile	Leu	His	Gly	His	Thr	Asp	Ile	Val	Leu	Ala	Leu	Asp	Val
				260					265					270
Phe	Arg	Lys	Gly	Trp	Leu	Phe	Ala	Ser	Cys	Ala	Lys	Asp	Gln	Ser
				275					280					285
Val	Arg	Ile	Trp	Arg	Met	Asn	Lys	Ala	Gly	Gln	Val	Met	Cys	Val
				290					295					300
Ala	Gln	Gly	Ser	Gly	His	Thr	His	Ser	Val	Gly	Thr	Val	Cys	Cys
				305					310					315
Ser	Arg	Leu	Lys	Glu	Ser	Phe	Leu	Val	Thr	Gly	Ser	Gln	Asp	Cys
				320					325					330
Thr	Val	Lys	Leu	Trp	Pro	Leu	Pro	Lys	Ala	Leu	Leu	Ser	Lys	Asn
				335					340					345
Thr	Ala	Pro	Asp	Asn	Gly	Pro	Ile	Leu	Leu	Gln	Ala	Gln	Thr	Thr
				350					355					360
Gln	Arg	Cys	His	Asp	Lys	Asp	Ile	Asn	Ser	Val	Ala	Ile	Ala	Pro
				365					370					375
Asn	Asp	Lys	Leu	Leu	Ala	Thr	Gly	Ser	Gln	Asp	Arg	Thr	Ala	Lys
				380					385					390
Leu	Trp	Ala	Leu	Pro	Gln	Cys	Gln	Leu	Leu	Gly	Val	Phe	Ser	Gly
				395					400					405
His	Arg	Arg	Gly	Leu	Trp	Cys	Val	Gln	Phe	Ser	Pro	Met	Asp	Gln
				410					415					420
Val	Leu	Ala	Thr	Ala	Ser	Ala	Asp	Gly	Thr	Ile	Lys	Leu	Trp	Ala
				425					430					435
Leu	Gln	Asp	Phe	Ser	Cys	Leu	Lys	Thr	Phe	Glu	Gly	His	Asp	Ala
				440					445					450
Ser	Val	Leu	Lys	Val	Ala	Phe	Val	Ser	Arg	Gly	Thr	Gln	Leu	Leu
				455					460					465
Ser	Ser	Gly	Ser	Asp	Gly	Leu	Val	Lys	Leu	Trp	Thr	Ile	Lys	Asn
				470					475					480
Asn	Glu	Cys	Val	Arg	Thr	Leu	Asp	Ala	His	Glu	Asp	Lys	Val	Trp
				485					490					495
Gly	Leu	His	Cys	Ser	Arg	Leu	Asp	Asp	His	Ala	Leu	Thr	Gly	Ala
				500					505					510
Ser	Asp	Ser	Arg	Val	Ile	Leu	Trp	Lys	Asp	Val	Thr	Glu	Ala	Glu
				515					520					525
Gln	Ala	Glu	Glu	Gln	Ala	Arg	Gln	Glu	Glu	Gln	Val	Val	Arg	Gln
				530					535					540
Gln	Glu	Leu	Asp	Asn	Leu	Leu	His	Glu	Lys	Arg	Tyr	Leu	Arg	Ala
				545					550					555
Leu	Gly	Leu	Ala	Ile	Ser	Leu	Asp	Arg	Pro	His	Thr	Val	Leu	Thr
				560					565					570
Val	Ile	Gln	Ala	Ile	Arg	Arg	Asp	Pro	Glu	Ala	Cys	Glu	Lys	Leu
				575					580					585
Glu	Ala	Thr	Met	Leu	Arg	Leu	Arg	Arg	Asp	Gln	Lys	Glu	Ala	Leu

	590		595		600
Leu Arg Phe Cys	Val Thr Trp Asn Thr	Asn Ser Arg His Cys	His		
	605		610		615
Glu Ala Gln Ala	Val Leu Gly Val Leu	Leu Arg Arg Glu Ala	Pro		
	620		625		630
Glu Glu Leu Leu	Ala Tyr Glu Gly Val	Arg Ala Ala Leu Glu	Ala		
	635		640		645
Leu Leu Pro Tyr	Thr Glu Arg His Phe	Gln Arg Leu Ser Arg	Thr		
	650		655		660
Leu Gln Ala Ala	Ala Phe Leu Asp Phe	Leu Trp His Asn Met	Lys		
	665		670		675
Leu Pro Val Pro	Ala Ala Ala Pro Thr	Pro Trp Glu Thr His	Lys		
	680		685		690
Gly Ala Leu Pro					

<210> 13

<211> 654

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1848674CD1

<400> 13

Met Glu Arg Ser Gly	Pro Ser Glu Val Thr	Gly Ser Asp Ala Ser	
1	5	10	15
Gly Pro Asp Pro Gln	Leu Ala Val Thr Met	Gly Phe Thr Gly Phe	
	20	25	30
Gly Lys Lys Ala Arg	Thr Phe Asp Leu Glu	Ala Met Phe Glu Gln	
	35	40	45
Thr Arg Arg Thr Ala	Val Glu Arg Ser Arg	Lys Thr Leu Glu Ala	
	50	55	60
Arg Glu Lys Glu Glu	Glu Met Asn Arg Glu	Lys Glu Leu Arg Arg	
	65	70	75
Gln Asn Glu Asp Ile	Glu Pro Thr Ser Ser	Arg Ser Asn Val Val	
	80	85	90
Arg Asp Cys Ser Lys	Ser Ser Ser Arg Asp	Thr Ser Ser Ser Glu	
	95	100	105
Ser Glu Gln Ser Ser	Asp Ser Ser Asp Asp	Glu Leu Ile Gly Pro	
	110	115	120
Pro Leu Pro Pro Lys	Met Val Gly Lys Pro	Val Asn Phe Met Glu	
	125	130	135
Glu Asp Ile Leu Gly	Pro Leu Pro Pro Pro	Leu Asn Glu Glu Glu	
	140	145	150
Glu Glu Ala Glu Glu	Glu Glu Glu Glu Glu	Glu Glu Glu Glu Asn	
	155	160	165
Pro Val His Lys Ile	Pro Asp Ser His Glu	Ile Thr Leu Lys His	
	170	175	180
Gly Thr Lys Thr Val	Ser Ala Leu Gly Leu	Asp Pro Ser Gly Ala	
	185	190	195
Arg Leu Val Thr Gly	Gly Tyr Asp Tyr Asp	Val Lys Phe Trp Asp	
	200	205	210
Phe Ala Gly Met Asp	Ala Ser Phe Lys Ala	Phe Arg Ser Leu Gln	

Pro Cys Glu Cys	215	220	225
His Gln Ile Lys Ser		Leu Gln Tyr Ser Asn Thr	
	230	235	240
Gly Asp Met Ile		Ser Ser Gln Ala Lys Val	
	245	250	255
Ile Asp Arg Asp		Glu Cys Ile Lys Gly Asp	
	260	265	270
Gln Tyr Ile Val		Lys Gly His Thr Ala Met	
	275	280	285
Leu His Thr Gly		Ile Lys Gly Glu Phe Met	
	290	295	300
Thr Cys Ser Asn		Thr Trp Glu Val Glu Asn	
	305	310	315
Pro Lys Lys Gln		Pro Arg Thr Met Gln Gly	
	320	325	330
Lys Lys Val Ile		Tyr Ser Arg Asp Gly Asn	
	335	340	345
Leu Ile Ala Ala		Ser Ile Gln Ile Trp Asp	
	350	355	360
Arg Asn Leu Thr		His Tyr Lys Gln Ala His	
	365	370	375
Asp Ser Gly Thr		Thr Phe Ser Tyr Asp Gly	
	380	385	390
Asn Val Leu Ala		Asp Ser Leu Lys Leu Trp	
	395	400	405
Asp Ile Arg Gln		Phe Ser Ala Ser Gly Leu	
	410	415	420
Pro Thr Met Phe		Cys Phe Ser Pro Asp Asp	
	425	430	435
Lys Leu Ile Val		Gln Arg Gly Cys Gly Ser	
	440	445	450
Gly Lys Leu Val		Thr Phe Gln Arg Val Tyr	
	455	460	465
Glu Ile Asp Ile		Val Arg Cys Leu Trp His	
	470	475	480
Pro Lys Leu Asn		Gly Asn Gly Leu Ala	
	485	490	495
Lys Val Tyr Tyr		Gln Arg Gly Ala Lys Leu	
	500	505	510
Cys Val Val Lys		Lys Gln Ala Glu Thr Leu	
	515	520	525
Thr Gln Asp Tyr		Ala Leu Pro Met Phe Arg	
	530	535	540
Glu Pro Arg Gln		Gln Leu Glu Lys Asp Arg	
	545	550	555
Leu Asp Pro Leu		Glu Pro Pro Val Ala Gly	
	560	565	570
Pro Gly Arg Gly		His Gly Gly Thr Leu Ser	
	575	580	585
Ser Tyr Ile Val		Lys Thr Asp Asp Ser	
	590	595	600
Asn Pro Arg Glu		Ala Lys Ala Ala Glu Asp	
	605	610	615
Ser Pro Tyr Trp		Ser Lys Thr Gln Pro Lys	
	620	625	630

Thr Met Phe Ala Gln Val Glu Ser Asp Asp Glu Glu Ala Lys Asn
 635 640 645
 Glu Pro Glu Trp Lys Lys Arg Lys Ile
 650

<210> 14
 <211> 180
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2012970CD1

<400> 14
 Met Glu Ala Asn Met Pro Lys Arg Lys Glu Pro Gly Arg Ser Leu
 1 5 10 15
 Arg Ile Lys Val Ile Ser Met Gly Asn Ala Glu Val Gly Lys Ser
 20 25 30
 Cys Ile Ile Lys Arg Tyr Cys Glu Lys Arg Phe Val Ser Lys Tyr
 35 40 45
 Leu Ala Thr Ile Gly Ile Asp Tyr Gly Val Thr Lys Val His Val
 50 55 60
 Arg Asp Arg Glu Ile Lys Val Asn Ile Phe Asp Met Ala Gly His
 65 70 75
 Pro Phe Phe Tyr Glu Val Arg Asn Glu Phe Tyr Lys Asp Thr Gln
 80 85 90
 Gly Val Ile Leu Val Tyr Asp Val Gly Gln Lys Asp Ser Phe Asp
 95 100 105
 Ala Leu Asp Ala Trp Leu Ala Glu Met Lys Gln Glu Leu Gly Pro
 110 115 120
 His Gly Asn Met Glu Asn Ile Ile Phe Val Val Cys Ala Asn Lys
 125 130 135
 Ile Asp Cys Thr Lys His Arg Cys Val Asp Glu Ser Glu Gly Arg
 140 145 150
 Leu Trp Ala Glu Ser Lys Gly Phe Leu Tyr Phe Glu Thr Ser Ala
 155 160 165
 Gln Thr Gly Glu Gly Ile Asn Glu Met Phe Gln Ile His Leu Gly
 170 175 180

<210> 15
 <211> 374
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2254315CD1

<400> 15
 Met Ala Ala Ser Ala Ala Ala Ala Glu Leu Gln Ala Ser Gly Gly
 1 5 10 15
 Pro Arg His Pro Val Cys Leu Leu Val Leu Gly Met Ala Gly Ser

	20		25		30
Gly Lys Thr Thr	Phe Val Gln Arg Leu	Thr Gly His Leu His		Ala	
	35		40		45
Gln Gly Thr Pro	Pro Tyr Val Ile Asn	Leu Asp Pro Ala Val		His	
	50		55		60
Glu Val Pro Phe	Pro Ala Asn Ile Asp	Ile Arg Asp Thr Val		Lys	
	65		70		75
Tyr Lys Glu Val	Met Lys Gln Tyr Gly	Leu Gly Pro Asn Gly		Gly	
	80		85		90
Ile Val Thr Ser	Leu Asn Leu Phe Ala	Thr Arg Phe Asp Gln		Val	
	95		100		105
Met Lys Phe Ile	Glu Lys Ala Gln Asn	Met Ser Lys Tyr Val		Leu	
	110		115		120
Ile Asp Thr Pro	Gly Gln Ile Glu Val	Phe Thr Trp Ser Ala		Ser	
	125		130		135
Gly Thr Ile Ile	Thr Glu Ala Leu Ala	Ser Ser Phe Pro Thr		Val	
	140		145		150
Val Ile Tyr Val	Met Asp Thr Ser Arg	Ser Thr Asn Pro Val		Thr	
	155		160		165
Phe Met Ser Asn	Met Leu Tyr Ala Cys	Ser Ile Leu Tyr Lys		Thr	
	170		175		180
Lys Leu Pro Phe	Ile Val Val Met Asn	Lys Thr Asp Ile Ile		Asp	
	185		190		195
His Ser Phe Ala	Val Glu Trp Met Gln	Asp Phe Glu Ala Phe		Gln	
	200		205		210
Asp Ala Leu Asn	Gln Glu Thr Thr Tyr	Val Ser Asn Leu Thr		Arg	
	215		220		225
Ser Met Ser Leu	Val Leu Asp Glu Phe	Tyr Ser Ser Leu Arg		Val	
	230		235		240
Val Gly Val Ser	Ala Val Leu Gly Thr	Gly Leu Asp Glu Leu		Phe	
	245		250		255
Val Gln Val Thr	Ser Ala Ala Glu Glu	Tyr Glu Arg Glu Tyr		Arg	
	260		265		270
Pro Glu Tyr Glu	Arg Leu Lys Lys Ser	Leu Ala Asn Ala Glu		Ser	
	275		280		285
Gln Gln Gln Arg	Glu Gln Leu Glu Arg	Leu Arg Lys Asp Met		Gly	
	290		295		300
Ser Val Ala Leu	Asp Ala Gly Thr Ala	Lys Asp Ser Leu Ser		Pro	
	305		310		315
Val Leu His Pro	Ser Asp Leu Ile Leu	Thr Arg Gly Thr Leu		Asp	
	320		325		330
Glu Glu Asp Glu	Glu Ala Asp Ser Asp	Thr Asp Asp Ile Asp		His	
	335		340		345
Arg Val Thr Glu	Glu Ser His Glu Glu	Pro Ala Phe Gln Asn		Phe	
	350		355		360
Met Gln Glu Ser	Met Ala Gln Tyr Trp	Lys Arg Asn Asn Lys			
	365		370		

<210> 16
 <211> 649
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature:

<223> Incyte ID No. 2415545CD1

<400> 16

Met	Glu	Gly	Ala	Gly	Tyr	Arg	Val	Val	Phe	Glu	Lys	Gly	Gly	Val	1	5	10	15
Tyr	Leu	His	Thr	Ser	Ala	Lys	Lys	Tyr	Gln	Asp	Arg	Asp	Ser	Leu	20	25	30	35
Ile	Ala	Gly	Val	Ile	Arg	Val	Val	Glu	Lys	Asp	Asn	Asp	Val	Leu	40	45	50	55
Leu	His	Trp	Ala	Pro	Val	Glu	Glu	Ala	Gly	Asp	Ser	Thr	Gln	Ile	60	65	70	75
Leu	Phe	Ser	Lys	Lys	Asp	Ser	Ser	Gly	Gly	Asp	Ser	Cys	Ala	Ser	80	85	90	95
Glu	Glu	Glu	Pro	Thr	Phe	Asp	Pro	Gly	Tyr	Glu	Pro	Asp	Trp	Ala	100	105	110	115
Val	Ile	Ser	Thr	Val	Arg	Pro	Gln	Pro	Cys	His	Ser	Glu	Pro	Thr	120	125	130	135
Arg	Gly	Ala	Glu	Pro	Ser	Cys	Pro	Gln	Gly	Ser	Trp	Ala	Phe	Ser	140	145	150	155
Val	Ser	Leu	Gly	Glu	Leu	Lys	Ser	Ile	Arg	Arg	Ser	Lys	Pro	Gly	160	165	170	175
Leu	Ser	Trp	Ala	Tyr	Leu	Val	Leu	Val	Thr	Gln	Ala	Gly	Gly	Ser	180	185	190	195
Leu	Pro	Ala	Leu	His	Phe	His	Arg	Gly	Gly	Thr	Arg	Ala	Leu	Leu	200	205	210	215
Arg	Val	Leu	Ser	Arg	Tyr	Leu	Leu	Leu	Ala	Ser	Ser	Pro	Gln	Asp	220	225	230	235
Ser	Arg	Leu	Tyr	Leu	Val	Phe	Pro	His	Asp	Ser	Ser	Ala	Leu	Ser	240	245	250	255
Asn	Ser	Phe	His	His	Leu	Gln	Leu	Phe	Asp	Gln	Asp	Ser	Ser	Asn	260	265	270	275
Val	Val	Ser	Arg	Phe	Leu	Gln	Asp	Pro	Tyr	Ser	Thr	Thr	Phe	Ser	280	285	290	295
Ser	Phe	Ser	Arg	Val	Thr	Asn	Phe	Phe	Arg	Gly	Ala	Leu	Gln	Pro	300	305	310	315
Gln	Pro	Glu	Gly	Ala	Ala	Ser	Asp	Leu	Pro	Pro	Pro	Asp	Asp		320	325	330	335
Glu	Pro	Glu	Pro	Gly	Phe	Glu	Val	Ile	Ser	Cys	Val	Glu	Leu	Gly	340	345	350	355
Pro	Arg	Pro	Thr	Val	Glu	Arg	Gly	Pro	Pro	Val	Thr	Glu	Glu	Glu	360	365	370	375
Trp	Ala	Arg	His	Val	Gly	Pro	Glu	Gly	Arg	Leu	Gln	Gln	Val	Pro	380	385	390	395
Glu	Leu	Lys	Asn	Arg	Ile	Phe	Ser	Gly	Gly	Leu	Ser	Pro	Ser	Leu	400	405	410	415
Arg	Arg	Glu	Ala	Trp	Lys	Phe	Leu	Leu	Gly	Tyr	Leu	Ser	Trp	Glu	420	425	430	435
Gly	Thr	Ala	Glu	Glu	His	Lys	Ala	His	Ile	Arg	Lys	Lys	Thr	Asp	440	445	450	455
Glu	Tyr	Phe	Arg	Met	Lys	Leu	Gln	Trp	Lys	Ser	Val	Ser	Pro	Glu	460	465	470	475
Gln	Glu	Arg	Arg	Asn	Ser	Leu	Leu	His	Gly	Tyr	Arg	Ser	Leu	Ile	480	485	490	495
Glu	Arg	Asp	Val	Ser	Arg	Thr	Asp	Arg	Thr	Asn	Lys	Phe	Tyr	Glu	500	505	510	515

				380					385				390
Gly	Pro	Glu	Asn	Pro	Gly	Leu	Gly	Leu	Leu	Asn	Asp	Ile	Leu
				395					400				405
Thr	Tyr	Cys	Met	Tyr	His	Phe	Asp	Leu	Gly	Tyr	Val	Gln	Gly
				410					415				420
Ser	Asp	Leu	Leu	Ser	Pro	Ile	Leu	Tyr	Val	Ile	Gln	Asn	Glu
				425					430				435
Asp	Ala	Phe	Trp	Cys	Phe	Cys	Gly	Phe	Met	Glu	Leu	Val	Gln
				440					445				450
Asn	Phe	Glu	Glu	Ser	Gln	Glu	Thr	Met	Lys	Arg	Gln	Leu	Gly
				455					460				465
Leu	Leu	Leu	Leu	Leu	Arg	Val	Leu	Asp	Pro	Leu	Leu	Cys	Asp
				470					475				480
Leu	Asp	Ser	Gln	Asp	Ser	Gly	Ser	Leu	Cys	Phe	Cys	Phe	Arg
				485					490				495
Leu	Leu	Ile	Trp	Phe	Lys	Arg	Glu	Phe	Pro	Phe	Pro	Asp	Val
				500					505				510
Arg	Leu	Trp	Glu	Val	Leu	Trp	Thr	Gly	Leu	Pro	Gly	Pro	Asn
				515					520				525
His	Leu	Leu	Val	Ala	Cys	Ala	Ile	Leu	Asp	Met	Glu	Arg	Asp
				530					535				540
Leu	Met	Leu	Ser	Gly	Phe	Gly	Ser	Asn	Glu	Ile	Leu	Lys	His
				545					550				555
Asn	Glu	Leu	Thr	Met	Lys	Leu	Ser	Val	Glu	Asp	Val	Leu	Thr
				560					565				570
Ala	Glu	Ala	Leu	His	Arg	Gln	Leu	Thr	Ala	Cys	Thr	Arg	Ala
				575					580				585
Pro	Gln	Arg	Ala	Gly	Asp	Pro	Gly	Ala	Gly	Pro	Ala	Thr	Gln
				590					595				600
Pro	Thr	Ala	Pro	Arg	Pro	Pro	Pro	Pro	Arg	Cys	Leu	Cys	Thr
				605					610				615
Thr	Arg	Ala	Pro	Pro	Thr	Pro	Pro	Pro	Ser	Thr	Asp	Thr	Ala
				620					625				630
Gln	Pro	Asp	Ser	Ser	Leu	Glu	Ile	Leu	Pro	Glu	Glu	Glu	Asp
				635					640				645
Gly	Ala	Asp	Ser										

<210> 17

<211> 698

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2707969CD1

<400> 17

Met	Cys	His	Asp	Asp	Asp	Asp	Lys	Asp	Pro	Val	Leu	Arg	Val	Phe
1				5					10					15
Asp	Ser	Arg	Val	Asp	Lys	Ile	Arg	Leu	Leu	Asn	Val	Arg	Thr	Pro
				20					25					30
Thr	Leu	Arg	Thr	Ser	Met	Tyr	Gln	Lys	Cys	Thr	Thr	Val	Asp	Glu
				35					40					45
Ala	Glu	Lys	Ala	Ile	Glu	Leu	Arg	Leu	Ala	Lys	Ile	Asp	His	Thr

Ala	Ile	His	Pro	His	Leu	Leu	Asp	Met	Lys	Ile	Gly	Gln	Gly	Lys	50	55	60
															65	70	75
Tyr	Glu	Pro	Gly	Phe	Phe	Pro	Lys	Leu	Gln	Ser	Asp	Val	Leu	Ser	80	85	90
Thr	Gly	Pro	Ala	Ser	Asn	Lys	Trp	Thr	Lys	Arg	Asn	Ala	Pro	Ala	95	100	105
Gln	Trp	Arg	Arg	Lys	Asp	Arg	Gln	Lys	Gln	His	Thr	Glu	His	Leu	110	115	120
Arg	Leu	Asp	Asn	Asp	Gln	Arg	Glu	Lys	Tyr	Ile	Gln	Glu	Ala	Arg	125	130	135
Thr	Met	Gly	Ser	Thr	Ile	Arg	Gln	Pro	Lys	Leu	Ser	Asn	Leu	Ser	140	145	150
Pro	Ser	Val	Ile	Ala	Gln	Thr	Asn	Trp	Lys	Phe	Val	Glu	Gly	Leu	155	160	165
Leu	Lys	Glu	Cys	Arg	Asn	Lys	Thr	Lys	Arg	Met	Leu	Val	Glu	Lys	170	175	180
Met	Gly	Arg	Glu	Ala	Val	Glu	Leu	Gly	His	Gly	Glu	Val	Asn	Ile	185	190	195
Thr	Gly	Val	Glu	Glu	Asn	Thr	Leu	Ile	Ala	Ser	Leu	Cys	Asp	Leu	200	205	210
Leu	Glu	Arg	Ile	Trp	Ser	His	Gly	Leu	Gln	Val	Lys	Gln	Gly	Lys	215	220	225
Ser	Ala	Leu	Trp	Ser	His	Leu	Leu	His	Tyr	Gln	Asp	Asn	Arg	Gln	230	235	240
Arg	Lys	Leu	Thr	Ser	Gly	Ser	Leu	Ser	Thr	Ser	Gly	Ile	Leu	Leu	245	250	255
Asp	Ser	Glu	Arg	Arg	Lys	Ser	Asp	Ala	Ser	Ser	Leu	Met	Pro	Pro	260	265	270
Leu	Arg	Ile	Ser	Leu	Ile	Gln	Asp	Met	Arg	His	Ile	Gln	Asn	Ile	275	280	285
Gly	Glu	Ile	Lys	Thr	Asp	Val	Gly	Lys	Ala	Arg	Ala	Trp	Val	Arg	290	295	300
Leu	Ser	Met	Glu	Lys	Lys	Leu	Leu	Ser	Arg	His	Leu	Lys	Gln	Leu	305	310	315
Leu	Ser	Asp	His	Glu	Leu	Thr	Lys	Lys	Leu	Tyr	Lys	Arg	Tyr	Ala	320	325	330
Phe	Leu	Arg	Cys	Asp	Asp	Glu	Lys	Glu	Gln	Phe	Leu	Tyr	His	Leu	335	340	345
Leu	Ser	Phe	Asn	Ala	Val	Asp	Tyr	Phe	Cys	Phe	Thr	Asn	Val	Phe	350	355	360
Thr	Thr	Ile	Leu	Ile	Pro	Tyr	His	Ile	Leu	Ile	Val	Pro	Ser	Lys	365	370	375
Lys	Leu	Gly	Gly	Ser	Met	Phe	Thr	Ala	Asn	Pro	Trp	Ile	Cys	Ile	380	385	390
Ser	Gly	Glu	Leu	Gly	Glu	Thr	Gln	Ile	Met	Gln	Ile	Pro	Arg	Asn	395	400	405
Val	Leu	Glu	Met	Thr	Phe	Glu	Cys	Gln	Asn	Leu	Gly	Lys	Leu	Thr	410	415	420
Thr	Val	Gln	Ile	Gly	His	Asp	Asn	Ser	Gly	Leu	Tyr	Ala	Lys	Trp	425	430	435
Leu	Val	Glu	Tyr	Val	Met	Val	Arg	Asn	Glu	Ile	Thr	Gly	His	Thr	440	445	450
Tyr	Lys	Phe	Pro	Cys	Gly	Arg	Trp	Leu	Gly	Lys	Gly	Met	Asp	Asp	455	460	465

Gly Ser Leu Glu Arg Ile Leu Val Gly Glu Leu Leu Thr Ser Gln
 470 475 480
 Pro Glu Val Asp Glu Arg Pro Cys Arg Thr Pro Pro Leu Gln Gln
 485 490 495
 Ser Pro Ser Val Ile Arg Arg Leu Val Thr Ile Ser Pro Asn Asn
 500 505 510
 Lys Pro Lys Leu Asn Thr Gly Gln Ile Gln Glu Ser Ile Gly Glu
 515 520 525
 Ala Val Asn Gly Ile Val Lys His Phe His Lys Pro Glu Lys Glu
 530 535 540
 Arg Gly Ser Leu Thr Leu Leu Leu Cys Gly Glu Cys Gly Leu Val
 545 550 555
 Ser Ala Leu Glu Gln Ala Phe Gln His Gly Phe Lys Ser Pro Arg
 560 565 570
 Leu Phe Lys Asn Val Phe Ile Trp Asp Phe Leu Glu Lys Ala Gln
 575 580 585
 Thr Tyr Tyr Glu Thr Leu Glu Lys Asn Glu Val Val Pro Glu Glu
 590 595 600
 Asn Trp His Thr Arg Ala Arg Asn Phe Cys Arg Phe Val Thr Ala
 605 610 615
 Ile Asn Asn Thr Pro Arg Asn Ile Gly Lys Asp Gly Lys Phe Gln
 620 625 630
 Met Leu Val Cys Leu Gly Ala Arg Asp His Leu Leu His His Trp
 635 640 645
 Ile Ala Leu Leu Ala Asp Cys Pro Ile Thr Ala His Met Tyr Glu
 650 655 660
 Asp Val Ala Leu Ile Lys Asp His Thr Leu Val Asn Ser Leu Ile
 665 670 675
 Arg Val Leu Gln Thr Leu Gln Glu Phe Asn Ile Thr Leu Glu Thr
 680 685 690
 Ser Leu Val Lys Gly Ile Asp Ile
 695

<210> 18

<211> 396

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2817769CD1

<400> 18

Met Pro Pro Lys Lys Gly Gly Asp Gly Ile Lys Pro Pro Pro Ile
 1 5 10 15
 Ile Gly Arg Phe Gly Thr Ser Leu Lys Ile Gly Ile Val Gly Leu
 20 25 30
 Pro Asn Val Gly Lys Ser Thr Phe Phe Asn Val Leu Thr Asn Ser
 35 40 45
 Gln Ala Ser Ala Glu Asn Phe Pro Phe Cys Thr Ile Asp Pro Asn
 50 55 60
 Glu Ser Arg Val Pro Val Pro Asp Glu Arg Phe Asp Phe Leu Cys
 65 70 75
 Gln Tyr His Lys Pro Ala Ser Lys Ile Pro Ala Phe Leu Asn Val
 80 85 90

Val Asp Ile Ala Gly Leu Val Lys Gly Ala His Asn Gly Gln Gly
 95 100 105
 Leu Gly Asn Ala Phe Leu Ser His Ile Ser Ala Cys Asp Gly Ile
 110 115 120
 Phe His Leu Thr Arg Ala Phe Glu Asp Asp Asp Ile Thr His Val
 125 130 135
 Glu Gly Ser Val Asp Pro Ile Arg Asp Ile Glu Ile Ile His Glu
 140 145 150
 Glu Leu Gln Leu Lys Asp Glu Glu Met Ile Gly Pro Ile Ile Asp
 155 160 165
 Lys Leu Glu Lys Val Ala Val Arg Gly Gly Asp Lys Lys Leu Lys
 170 175 180
 Pro Glu Tyr Asp Ile Met Cys Lys Val Lys Ser Trp Val Ile Asp
 185 190 195
 Gln Lys Lys Pro Val Arg Phe Tyr His Asp Trp Asn Asp Lys Glu
 200 205 210
 Ile Glu Val Leu Asn Lys His Leu Phe Leu Thr Ser Lys Pro Met
 215 220 225
 Val Tyr Leu Val Asn Leu Ser Glu Lys Asp Tyr Ile Arg Lys Lys
 230 235 240
 Asn Lys Trp Leu Ile Lys Ile Lys Glu Trp Val Asp Lys Tyr Asp
 245 250 255
 Pro Gly Ala Leu Val Ile Pro Phe Ser Gly Ala Leu Glu Leu Lys
 260 265 270
 Leu Gln Glu Leu Ser Ala Glu Glu Arg Gln Lys Tyr Leu Glu Ala
 275 280 285
 Asn Met Thr Gln Ser Ala Leu Pro Lys Ile Ile Lys Ala Gly Phe
 290 295 300
 Ala Ala Leu Gln Leu Glu Tyr Phe Phe Thr Ala Gly Pro Asp Glu
 305 310 315
 Val Arg Ala Trp Thr Ile Arg Lys Gly Thr Lys Ala Pro Gln Ala
 320 325 330
 Ala Gly Lys Ile His Thr Asp Phe Glu Lys Gly Phe Ile Met Ala
 335 340 345
 Glu Val Met Lys Tyr Glu Asp Phe Lys Glu Glu Gly Ser Glu Asn
 350 355 360
 Ala Val Lys Ala Ala Gly Lys Tyr Arg Gln Gln Gly Arg Asn Tyr
 365 370 375
 Ile Val Glu Asp Gly Asp Ile Ile Phe Phe Lys Phe Asn Thr Pro
 380 385 390
 Gln Gln Pro Lys Lys Lys
 395

<210> 19

<211> 634

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2917557CD1

<400> 19

Met Ser Ser Asp Ser Glu Tyr Asp Ser Asp Asp Arg Thr Lys

1	5	10	15
Glu Glu Arg Ala Tyr Asp Lys Ala Lys Arg Arg Ile Glu Lys Arg			
20	25	30	
Arg Leu Glu His Ser Lys Asn Val Asn Thr Glu Lys Leu Arg Ala			
35	40	45	
Pro Ile Ile Cys Val Leu Gly His Val Asp Thr Gly Lys Thr Lys			
50	55	60	
Ile Leu Asp Lys Leu Arg His Thr His Val Gln Asp Gly Glu Ala			
65	70	75	
Gly Gly Ile Thr Gln Gln Ile Gly Ala Thr Asn Val Pro Leu Glu			
80	85	90	
Ala Ile Asn Glu Gln Thr Lys Met Ile Lys Asn Phe Asp Arg Glu			
95	100	105	
Asn Val Arg Ile Pro Gly Met Leu Ile Ile Asp Thr Pro Gly His			
110	115	120	
Glu Ser Phe Ser Asn Leu Arg Asn Arg Gly Ser Ser Leu Cys Asp			
125	130	135	
Ile Ala Ile Leu Val Val Asp Ile Met His Gly Leu Glu Pro Gln			
140	145	150	
Thr Ile Glu Ser Ile Asn Leu Leu Lys Ser Lys Lys Cys Pro Phe			
155	160	165	
Ile Val Ala Leu Asn Lys Ile Asp Arg Leu Tyr Asp Trp Lys Lys			
170	175	180	
Ser Pro Asp Ser Asp Val Ala Ala Thr Leu Lys Lys Gln Lys Lys			
185	190	195	
Asn Thr Lys Asp Glu Phe Glu Glu Arg Ala Lys Ala Ile Ile Val			
200	205	210	
Glu Phe Ala Gln Gln Gly Leu Asn Ala Ala Leu Phe Tyr Glu Asn			
215	220	225	
Lys Asp Pro Arg Thr Phe Val Ser Leu Val Pro Thr Ser Ala His			
230	235	240	
Thr Gly Asp Gly Met Gly Ser Leu Ile Tyr Leu Leu Val Glu Leu			
245	250	255	
Thr Gln Thr Met Leu Ser Lys Arg Leu Ala His Cys Glu Glu Leu			
260	265	270	
Arg Ala Gln Val Met Glu Val Lys Ala Leu Pro Gly Met Gly Thr			
275	280	285	
Thr Ile Asp Val Ile Leu Ile Asn Gly Arg Leu Lys Glu Gly Asp			
290	295	300	
Thr Ile Ile Val Pro Gly Val Glu Gly Pro Ile Val Thr Gln Ile			
305	310	315	
Arg Gly Leu Leu Leu Pro Pro Pro Met Lys Glu Leu Arg Val Lys			
320	325	330	
Asn Gln Tyr Glu Lys His Lys Glu Val Glu Ala Ala Gln Gly Val			
335	340	345	
Lys Ile Leu Gly Lys Asp Leu Glu Lys Thr Leu Ala Gly Leu Pro			
350	355	360	
Leu Leu Val Ala Tyr Lys Glu Asp Glu Ile Pro Val Leu Lys Asp			
365	370	375	
Glu Leu Ile His Glu Leu Lys Gln Thr Leu Asn Ala Ile Lys Leu			
380	385	390	
Glu Glu Lys Gly Val Tyr Val Gln Ala Ser Thr Leu Gly Ser Leu			
395	400	405	
Glu Ala Leu Leu Glu Phe Leu Lys Thr Ser Glu Val Pro Tyr Ala			
410	415	420	

Gly Ile Asn Ile Gly Pro Val His Lys Lys Asp Val Met Lys Ala
 425 430 435
 Ser Val Met Leu Glu His Asp Pro Gln Tyr Ala Val Ile Leu Ala
 440 445 450
 Phe Asp Val Arg Ile Glu Arg Asp Ala Gln Glu Met Ala Asp Ser
 455 460 465
 Leu Gly Val Arg Ile Phe Ser Ala Glu Ile Ile Tyr His Leu Phe
 470 475 480
 Asp Ala Phe Thr Lys Tyr Arg Gln Asp Tyr Lys Lys Gln Lys Gln
 485 490 495
 Glu Glu Phe Lys His Ile Ala Val Phe Pro Cys Lys Ile Lys Ile
 500 505 510
 Leu Pro Gln Tyr Ile Phe Asn Ser Arg Asp Pro Ile Val Met Gly
 515 520 525
 Val Thr Val Glu Ala Gly Gln Val Lys Gln Gly Thr Pro Met Cys
 530 535 540
 Val Pro Ser Lys Asn Phe Val Asp Ile Gly Ile Val Thr Ser Ile
 545 550 555
 Glu Ile Asn His Lys Gln Val Asp Val Ala Lys Lys Gly Gln Glu
 560 565 570
 Val Cys Val Lys Ile Glu Pro Ile Pro Gly Glu Ser Pro Lys Met
 575 580 585
 Phe Gly Arg His Phe Glu Ala Thr Asp Ile Leu Val Ser Lys Ile
 590 595 600
 Ser Arg Gln Ser Ile Asp Ala Leu Lys Asp Trp Phe Arg Asp Glu
 605 610 615
 Met Gln Lys Ser Asp Trp Gln Leu Ile Val Glu Leu Lys Lys Val
 620 625 630
 Phe Glu Ile Ile

<210> 20

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3421335CD1

<400> 20

Met Gly Ser Val Asn Ser Arg Gly His Lys Ala Glu Ala Gln Val
 1 5 10 15
 Val Met Met Gly Leu Asp Ser Ala Gly Lys Thr Thr Leu Leu Tyr
 20 25 30
 Lys Leu Lys Gly His Gln Leu Val Glu Thr Leu Pro Thr Val Gly
 35 40 45
 Phe Asn Val Glu Pro Leu Lys Ala Pro Gly His Val Ser Leu Thr
 50 55 60
 Leu Trp Asp Val Gly Gly Gln Ala Pro Leu Arg Ala Ser Trp Lys
 65 70 75
 Asp Tyr Leu Glu Gly Thr Asp Ile Leu Val Tyr Val Leu Asp Ser
 80 85 90
 Thr Asp Glu Ala Arg Leu Pro Glu Ser Ala Ala Glu Leu Thr Glu
 95 100 105

Val	Leu	Asn	Asp	Pro	Asn	Met	Ala	Gly	Val	Pro	Phe	Leu	Val	Leu
				110					115					120
Ala	Asn	Lys	Gln	Glu	Ala	Pro	Asp	Ala	Leu	Pro	Leu	Leu	Lys	Ile
				125					130					135
Arg	Asn	Arg	Leu	Ser	Leu	Glu	Arg	Phe	Gln	Asp	His	Cys	Trp	Glu
				140					145					150
Leu	Arg	Gly	Cys	Ser	Ala	Leu	Thr	Gly	Glu	Gly	Leu	Pro	Glu	Ala
				155					160					165
Leu	Gln	Ser	Leu	Trp	Ser	Leu	Leu	Lys	Ser	Arg	Ser	Cys	Met	Cys
				170					175					180
Leu	Gln	Ala	Arg	Ala	His	Gly	Ala	Glu	Arg	Gly	Asp	Ser	Lys	Arg
				185					190					195

Ser

<210> 21

<211> 446

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 605761CD1

<400> 21

Met	Ala	Ala	Arg	Lys	Gly	Arg	Arg	Arg	Thr	Cys	Glu	Thr	Gly	Glu
1				5					10					15
Pro	Met	Glu	Ala	Glu	Ser	Gly	Asp	Thr	Ser	Ser	Glu	Gly	Pro	Ala
				20					25					30
Gln	Val	Tyr	Leu	Pro	Gly	Arg	Gly	Pro	Pro	Leu	Arg	Glu	Gly	Glu
				35					40					45
Glu	Leu	Val	Met	Asp	Glu	Glu	Ala	Tyr	Val	Leu	Tyr	His	Arg	Ala
				50					55					60
Gln	Thr	Gly	Ala	Pro	Cys	Leu	Ser	Phe	Asp	Ile	Val	Arg	Asp	His
				65					70					75
Leu	Gly	Asp	Asn	Arg	Thr	Glu	Leu	Pro	Leu	Thr	Leu	Tyr	Leu	Cys
				80					85					90
Ala	Gly	Thr	Gln	Ala	Glu	Ser	Ala	Gln	Ser	Asn	Arg	Leu	Met	Met
				95					100					105
Leu	Arg	Met	His	Asn	Leu	His	Gly	Thr	Lys	Pro	Pro	Pro	Ser	Glu
				110					115					120
Gly	Ser	Asp	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu	Glu	Asp	Glu	Glu
				125					130					135
Glu	Arg	Lys	Pro	Gln	Leu	Glu	Leu	Ala	Met	Val	Pro	His	Tyr	Gly
				140					145					150
Gly	Ile	Asn	Arg	Val	Arg	Val	Ser	Trp	Leu	Gly	Glu	Glu	Pro	Val
				155					160					165
Ala	Gly	Val	Trp	Ser	Glu	Lys	Gly	Gln	Val	Glu	Val	Phe	Ala	Leu
				170					175					180
Arg	Arg	Leu	Leu	Gln	Val	Val	Glu	Glu	Pro	Gln	Ala	Leu	Ala	Ala
				185					190					195
Phe	Leu	Arg	Asp	Glu	Gln	Ala	Gln	Met	Lys	Pro	Ile	Phe	Ser	Phe
				200					205					210
Ala	Gly	His	Met	Gly	Glu	Gly	Phe	Ala	Leu	Asp	Trp	Ser	Pro	Arg
				215					220					225

Val Thr Gly Arg Leu Leu Thr Gly Asp Cys Gln Lys Asn Ile His
 230 235 240
 Leu Trp Thr Pro Thr Asp Gly Gly Ser Trp His Val Asp Gln Arg
 245 250 255
 Pro Phe Val Gly His Thr Arg Ser Val Glu Asp Leu Gln Trp Ser
 260 265 270
 Pro Thr Glu Asn Thr Val Phe Ala Ser Cys Ser Ala Asp Ala Ser
 275 280 285
 Ile Arg Ile Trp Asp Ile Arg Ala Ala Pro Ser Lys Ala Cys Met
 290 295 300
 Leu Thr Thr Ala Thr Ala His Asp Gly Asp Val Asn Val Ile Ser
 305 310 315
 Trp Ser Arg Arg Glu Pro Phe Leu Leu Ser Gly Gly Asp Asp Gly
 320 325 330
 Ala Leu Lys Ile Trp Asp Leu Arg Gln Phe Lys Ser Gly Ser Pro
 335 340 345
 Val Ala Thr Phe Lys Gln His Val Ala Pro Val Thr Ser Val Glu
 350 355 360
 Trp His Pro Gln Asp Ser Gly Val Phe Ala Ala Ser Gly Ala Asp
 365 370 375
 His Gln Ile Thr Gln Trp Asp Leu Ala Val Glu Arg Asp Pro Glu
 380 385 390
 Ala Gly Asp Val Glu Ala Asp Pro Gly Leu Ala Asp Leu Pro Gln
 395 400 405
 Gln Leu Leu Phe Val His Gln Gly Glu Thr Glu Leu Lys Glu Leu
 410 415 420
 His Trp His Pro Gln Cys Pro Gly Leu Leu Val Ser Thr Ala Leu
 425 430 435
 Ser Gly Phe Thr Ile Phe Arg Thr Ile Ser Val
 440 445

<210> 22

<211> 265

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 483862CD1

<400> 22

Met Ser Ser Gly Leu Arg Ala Ala Asp Phe Pro Arg Trp Lys Arg
 1 5 10 15
 His Ile Ser Glu Gln Leu Arg Arg Arg Asp Arg Leu Gln Arg Gln
 20 25 30
 Ala Phe Glu Glu Ile Ile Leu Gln Tyr Asn Lys Leu Leu Glu Lys
 35 40 45
 Ser Asp Leu His Ser Val Leu Ala Gln Lys Leu Gln Ala Glu Lys
 50 55 60
 His Asp Val Pro Asn Arg His Glu Ile Ser Pro Gly His Asp Gly
 65 70 75
 Thr Trp Asn Asp Asn Gln Leu Gln Glu Met Ala Gln Leu Arg Ile
 80 85 90
 Lys His Gln Glu Glu Leu Thr Glu Leu His Lys Lys Arg Gly Glu

95 100 105
 Leu Ala Gln Leu Val Ile Asp Leu Asn Asn Gln Met Gln Arg Lys
 110 115 120
 Asp Arg Glu Met Gln Met Asn Glu Ala Lys Ile Ala Glu Cys Leu
 125 130 135
 Gln Thr Ile Ser Asp Leu Glu Thr Glu Cys Leu Asp Leu Arg Thr
 140 145 150
 Lys Leu Cys Asp Leu Glu Arg Ala Asn Gln Thr Leu Lys Asp Glu
 155 160 165
 Tyr Asp Ala Leu Gln Ile Thr Phe Thr Ala Leu Glu Gly Lys Leu
 170 175 180
 Arg Lys Thr Thr Glu Glu Asn Gln Glu Leu Val Thr Arg Trp Met
 185 190 195
 Ala Glu Lys Ala Gln Glu Ala Asn Arg Leu Asn Ala Glu Asn Glu
 200 205 210
 Lys Asp Ser Arg Arg Arg Gln Ala Arg Leu Gln Lys Glu Leu Ala
 215 220 225
 Glu Ala Ala Lys Glu Pro Leu Pro Val Glu Gln Asp Asp Asp Ile
 230 235 240
 Glu Val Ile Val Asp Glu Thr Ser Asp His Thr Glu Glu Thr Ser
 245 250 255
 Pro Val Arg Ala Ile Ser Arg Ala Ala Thr
 260 265

<210> 23
 <211> 185
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1256777CD1

<400> 23
 Met Leu Lys Ala Lys Ile Leu Phe Val Gly Pro Cys Glu Ser Gly
 1 5 10 15
 Lys Thr Val Leu Ala Asn Phe Leu Thr Glu Ser Ser Asp Ile Thr
 20 25 30
 Glu Tyr Ser Pro Thr Gln Gly Val Arg Ile Leu Glu Phe Glu Asn
 35 40 45
 Pro His Val Thr Ser Asn Asn Lys Gly Thr Gly Cys Glu Phe Glu
 50 55 60
 Leu Trp Asp Cys Gly Gly Asp Ala Lys Phe Glu Ser Cys Trp Pro
 65 70 75
 Ala Leu Met Lys Asp Ala His Gly Val Val Ile Val Phe Asn Ala
 80 85 90
 Asp Ile Pro Ser His Arg Lys Glu Met Glu Met Trp Tyr Ser Cys
 95 100 105
 Phe Val Gln Gln Pro Ser Leu Gln Asp Thr Gln Cys Met Leu Ile
 110 115 120
 Ala His His Lys Pro Gly Ser Gly Asp Asp Lys Gly Ser Leu Ser
 125 130 135
 Leu Ser Pro Pro Leu Asn Lys Leu Lys Leu Val His Ser Asn Leu
 140 145 150

Glu	Asp	Asp	Pro	Glu	Glu	Ile	Arg	Met	Glu	Phe	Ile	Lys	Tyr	Leu
				155					160					165
Lys	Ser	Ile	Ile	Asn	Ser	Met	Ser	Glu	Ser	Arg	Asp	Arg	Glu	Glu
				170					175					180
Met	Ser	Ile	Met	Thr										
				185										

<210> 24

<211> 554

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2198779CD1

<400> 24

Met	Gly	Ser	Arg	Asn	Ser	Ser	Ser	Ala	Gly	Ser	Gly	Ser	Gly	Asp
1				5					10					15
Pro	Ser	Glu	Gly	Leu	Pro	Arg	Arg	Gly	Ala	Gly	Leu	Arg	Arg	Ser
				20					25					30
Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu	Asp	Val	Asp	Leu	Ala	Gln	Val
				35					40					45
Leu	Ala	Tyr	Leu	Leu	Arg	Arg	Gly	Gln	Val	Arg	Leu	Val	Gln	Gly
				50					55					60
Gly	Gly	Ala	Ala	Asn	Leu	Gln	Phe	Ile	Gln	Ala	Leu	Leu	Asp	Ser
				65					70					75
Glu	Glu	Glu	Asn	Asp	Arg	Ala	Trp	Asp	Gly	Arg	Leu	Gly	Asp	Arg
				80					85					90
Tyr	Asn	Pro	Pro	Val	Asp	Ala	Thr	Pro	Asp	Thr	Arg	Glu	Leu	Glu
				95					100					105
Phe	Asn	Glu	Ile	Lys	Thr	Gln	Val	Glu	Leu	Ala	Thr	Gly	Gln	Leu
				110					115					120
Gly	Leu	Arg	Arg	Ala	Ala	Gln	Lys	His	Ser	Phe	Pro	Arg	Met	Leu
				125					130					135
His	Gln	Arg	Glu	Arg	Gly	Leu	Cys	His	Arg	Gly	Ser	Phe	Ser	Leu
				140					145					150
Gly	Glu	Gln	Ser	Arg	Val	Ile	Ser	His	Phe	Leu	Pro	Asn	Asp	Leu
				155					160					165
Gly	Phe	Thr	Asp	Ser	Tyr	Ser	Gln	Lys	Ala	Phe	Cys	Gly	Ile	Tyr
				170					175					180
Ser	Lys	Asp	Gly	Gln	Ile	Phe	Met	Ser	Ala	Cys	Gln	Asp	Gln	Thr
				185					190					195
Ile	Arg	Leu	Tyr	Asp	Cys	Arg	Tyr	Gly	Arg	Phe	Arg	Lys	Phe	Lys
				200					205					210
Ser	Ile	Lys	Ala	Arg	Asp	Val	Gly	Trp	Ser	Val	Leu	Asp	Val	Ala
				215					220					225
Phe	Thr	Pro	Asp	Gly	Asn	His	Phe	Leu	Tyr	Ser	Ser	Trp	Ser	Asp
				230					235					240
Tyr	Ile	His	Ile	Cys	Asn	Ile	Tyr	Gly	Glu	Gly	Asp	Thr	His	Thr
				245					250					255
Ala	Leu	Asp	Leu	Arg	Pro	Asp	Glu	Arg	Arg	Phe	Ala	Val	Phe	Ser
				260					265					270
Ile	Ala	Val	Ser	Ser	Asp	Gly	Arg	Glu	Val	Leu	Gly	Gly	Ala	Asn
				275					280					285

Asp Gly Cys Leu Tyr Val Phe Asp Arg Glu Gln Asn Arg Arg Thr
 290 295 300
 Leu Gln Ile Glu Ser His Glu Asp Asp Val Asn Ala Val Ala Phe
 305 310 315
 Ala Asp Ile Ser Ser Gln Ile Leu Phe Ser Gly Gly Asp Asp Ala
 320 325 330
 Ile Cys Lys Val Trp Asp Arg Arg Thr Met Arg Glu Asp Asp Pro
 335 340 345
 Lys Pro Val Gly Ala Leu Ala Gly His Gln Asp Gly Ile Thr Phe
 350 355 360
 Ile Asp Ser Lys Gly Asp Ala Arg Tyr Leu Ile Ser Asn Ser Lys
 365 370 375
 Asp Gln Thr Ile Lys Leu Trp Asp Ile Arg Arg Phe Ser Ser Arg
 380 385 390
 Glu Gly Met Glu Ala Ser Arg Gln Ala Ala Thr Gln Gln Asn Trp
 395 400 405
 Asp Tyr Arg Trp Gln Gln Val Pro Lys Lys Gly Phe Thr Leu His
 410 415 420
 Pro Tyr Pro Ala Trp Arg Lys Leu Lys Leu Pro Gly Asp Ser Ser
 425 430 435
 Leu Met Thr Tyr Arg Gly His Gly Val Leu His Thr Leu Ile Arg
 440 445 450
 Cys Arg Phe Ser Pro Ile His Ser Thr Gly Gln Gln Phe Ile Tyr
 455 460 465
 Ser Gly Cys Ser Thr Gly Lys Val Val Val Tyr Asp Leu Leu Ser
 470 475 480
 Gly His Ile Val Lys Lys Leu Thr Asn His Lys Ala Cys Val Arg
 485 490 495
 Asp Val Ser Trp His Pro Phe Glu Glu Lys Ile Val Ser Ser Ser
 500 505 510
 Trp Asp Gly Asn Leu Arg Leu Trp Gln Tyr Arg Gln Ala Glu Tyr
 515 520 525
 Phe Gln Asp Asp Met Pro Glu Ser Glu Glu Cys Ala Ser Ala Pro
 530 535 540
 Ala Pro Val Pro Gln Ser Ser Thr Pro Phe Ser Ser Pro Gln
 545 550

<210> 25

<211> 434

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2226116CD1

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 Gln Val Ser His Phe Ala Asn Leu Thr Ser Val Gly Ala Met Ala
 20 25 30
 Pro Ala Arg Cys Phe Ser Ala Arg Leu Arg Thr Val Phe Gln Gly
 35 40 45
 Val Gly His Trp Ala Leu Ser Thr Trp Ala Gly Leu Lys Pro Ser

Arg	Leu	Leu	Pro	Gln	Arg	Ala	Ser	Pro	Arg	Leu	Leu	Ser	Val	Gly	50	55	60
															65	70	75
Arg	Ala	Asp	Leu	Ala	Lys	His	Gln	Glu	Leu	Pro	Gly	Lys	Lys	Leu	80	85	90
Leu	Ser	Glu	Lys	Lys	Leu	Lys	Arg	Tyr	Phe	Val	Asp	Tyr	Arg	Arg	95	100	105
Val	Leu	Val	Cys	Gly	Gly	Asn	Gly	Gly	Ala	Gly	Ala	Ser	Cys	Phe	110	115	120
His	Ser	Glu	Pro	Arg	Lys	Glu	Phe	Gly	Gly	Pro	Asp	Gly	Gly	Asp	125	130	135
Gly	Gly	Asn	Gly	Gly	His	Val	Ile	Leu	Arg	Val	Asp	Gln	Gln	Val	140	145	150
Lys	Ser	Leu	Ser	Ser	Val	Leu	Ser	Arg	Tyr	Gln	Gly	Phe	Ser	Gly	155	160	165
Glu	Asp	Gly	Gly	Ser	Lys	Asn	Cys	Phe	Gly	Arg	Ser	Gly	Ala	Val	170	175	180
Leu	Tyr	Ile	Arg	Val	Pro	Val	Gly	Thr	Leu	Val	Lys	Glu	Gly	Gly	185	190	195
Arg	Val	Val	Ala	Asp	Leu	Ser	Cys	Val	Gly	Asp	Glu	Tyr	Ile	Ala	200	205	210
Ala	Leu	Gly	Gly	Ala	Gly	Gly	Lys	Gly	Asn	Arg	Phe	Phe	Leu	Ala	215	220	225
Asn	Asn	Asn	Arg	Ala	Pro	Val	Thr	Cys	Thr	Pro	Gly	Gln	Pro	Gly	230	235	240
Gln	Gln	Arg	Val	Leu	His	Leu	Glu	Leu	Lys	Thr	Val	Ala	His	Ala	245	250	255
Gly	Met	Val	Gly	Phe	Pro	Asn	Ala	Gly	Lys	Ser	Ser	Leu	Leu	Arg	260	265	270
Ala	Ile	Ser	Asn	Ala	Arg	Pro	Ala	Val	Ala	Ser	Tyr	Pro	Phe	Thr	275	280	285
Thr	Leu	Lys	Pro	His	Val	Gly	Ile	Val	His	Tyr	Glu	Gly	His	Leu	290	295	300
Gln	Ile	Ala	Val	Ala	Asp	Ile	Pro	Gly	Ile	Ile	Arg	Gly	Ala	His	305	310	315
Gln	Asn	Arg	Gly	Leu	Gly	Ser	Ala	Phe	Leu	Arg	His	Ile	Glu	Arg	320	325	330
Cys	Arg	Phe	Leu	Leu	Phe	Val	Val	Asp	Leu	Ser	Gln	Pro	Glu	Pro	335	340	345
Trp	Thr	Gln	Val	Asp	Asp	Leu	Lys	Tyr	Glu	Leu	Glu	Met	Tyr	Glu	350	355	360
Lys	Gly	Leu	Ser	Ala	Arg	Pro	His	Ala	Ile	Val	Ala	Asn	Lys	Ile	365	370	375
Asp	Leu	Pro	Glu	Ala	Gln	Ala	Asn	Leu	Ser	Gln	Leu	Arg	Asp	His	380	385	390
Leu	Gly	Gln	Glu	Val	Ile	Val	Leu	Ser	Ala	Leu	Thr	Gly	Glu	Asn	395	400	405
Leu	Glu	Gln	Leu	Leu	Leu	His	Leu	Lys	Val	Leu	Tyr	Asp	Ala	Tyr	410	415	420
Ala	Glu	Ala	Glu	Leu	Gly	Gln	Gly	Arg	Gln	Pro	Leu	Arg	Trp		425	430	

<210> 26

<211> 826

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2504472CD1

<400> 26

Met	Val	Ala	Pro	Val	Leu	Glu	Thr	Ser	His	Val	Phe	Cys	Cys	Pro	1	5	10	15
Asn	Arg	Val	Arg	Gly	Val	Leu	Asn	Trp	Ser	Ser	Gly	Pro	Arg	Gly	20	25	30	35
Leu	Leu	Ala	Phe	Gly	Thr	Ser	Cys	Ser	Val	Val	Leu	Tyr	Asp	Pro	40	45	50	55
Leu	Lys	Arg	Val	Val	Val	Thr	Asn	Leu	Asn	Gly	His	Thr	Ala	Arg	60	65	70	75
Val	Asn	Cys	Ile	Gln	Trp	Ile	Cys	Lys	Gln	Asp	Gly	Ser	Pro	Ser	80	85	90	95
Thr	Glu	Leu	Val	Ser	Gly	Gly	Ser	Asp	Asn	Gln	Val	Ile	His	Trp	100	105	110	115
Glu	Ile	Glu	Asp	Asn	Gln	Leu	Leu	Lys	Ala	Val	His	Leu	Gln	Gly	120	125	130	135
His	Glu	Gly	Pro	Val	Tyr	Ala	Val	His	Ala	Val	Tyr	Gln	Arg	Arg	140	145	150	155
Thr	Ser	Asp	Pro	Ala	Leu	Cys	Thr	Leu	Ile	Val	Ser	Ala	Ala	Ala	160	165	170	175
Asp	Ser	Ala	Val	Arg	Leu	Trp	Ser	Lys	Lys	Gly	Pro	Glu	Val	Met	180	185	190	195
Cys	Leu	Gln	Thr	Leu	Asn	Phe	Gly	Asn	Gly	Phe	Ala	Leu	Ala	Leu	200	205	210	215
Cys	Leu	Ser	Phe	Leu	Pro	Asn	Thr	Asp	Val	Pro	Ile	Leu	Ala	Cys	220	225	230	235
Gly	Asn	Asp	Asp	Cys	Arg	Ile	His	Ile	Phe	Ala	Gln	Gln	Asn	Asp	240	245	250	255
Gln	Phe	Gln	Lys	Val	Leu	Ser	Leu	Cys	Gly	His	Glu	Asp	Trp	Ile	260	265	270	275
Arg	Gly	Val	Glu	Trp	Ala	Ala	Phe	Gly	Arg	Asp	Leu	Phe	Leu	Ala	280	285	290	295
Ser	Cys	Ser	Gln	Asp	Cys	Leu	Ile	Arg	Ile	Trp	Lys	Leu	Tyr	Ile	300	305	310	315
Lys	Ser	Thr	Ser	Leu	Glu	Thr	Gln	Asp	Asp	Asp	Asn	Ile	Arg	Leu	320	325	330	335
Lys	Glu	Asn	Thr	Phe	Thr	Ile	Glu	Asn	Glu	Ser	Val	Lys	Ile	Ala	340	345	350	355
Phe	Ala	Val	Thr	Leu	Glu	Thr	Val	Leu	Ala	Gly	His	Glu	Asn	Trp	360	365	370	375
Val	Asn	Ala	Val	His	Trp	Gln	Pro	Val	Phe	Tyr	Lys	Asp	Gly	Val	380	385	390	395
Leu	Gln	Gln	Pro	Val	Arg	Leu	Leu	Ser	Ala	Ser	Met	Asp	Lys	Thr	400	405	410	415
Met	Ile	Leu	Trp	Ala	Pro	Asp	Glu	Glu	Ser	Gly	Val	Trp	Leu	Glu	420	425	430	435
Gln	Val	Arg	Val	Gly	Glu	Val	Gly	Gly	Asn	Thr	Leu	Gly	Phe	Tyr	440	445	450	455
Asp	Cys	Gln	Phe	Asn	Glu	Asp	Gly	Ser	Met	Ile	Ile	Ala	His	Ala	460	465	470	475

Phe His Gly Ala	350	Gln Asn Thr Val Asn Pro	360
Leu His Leu Trp Lys	355	Pro	
Arg Glu Trp Thr	365	Ser Gly His Phe Asp Gly	375
Pro Glu Ile Val Ile	370		
Val Gln Asp Leu	380	Gly Glu Phe Ile Ile Thr	390
Val Trp Asp Pro Glu	385		
Val Gly Thr Asp	395	Gln Thr Thr Arg Leu Phe Ala Pro Trp Lys Arg	405
Gln Thr Thr Arg Leu	400		
Lys Asp Gln Ser	410	Glu Ile Ala Arg Pro Gln	420
Gln Val Thr Trp His	415		
Ile His Gly Tyr Asp	425	Ala Met Ile Asn Arg Phe	435
Leu Lys Cys Leu	430		
Gln Phe Val Ser	440	Val Leu Arg Val Phe Ser	450
Gly Ala Asp Glu Lys	445		
Ala Pro Arg Asn	455	Cys Ala Ile Thr Gly Gln	465
Phe Val Glu Asn Phe	460		
Ser Leu Asn His	470	Val Leu Cys Asn Gln Asp Ser Asp Leu Pro Glu	480
Val Leu Cys Asn Gln	475		
Gly Ala Thr Val	485	Ser Asn Lys Ala Val Phe	495
Pro Ala Leu Gly Leu	490		
Gln Gly Asp Ile	500	Ala Ser Gln Pro Ser Asp Glu Glu Glu Leu Leu	510
Ala Ser Gln Pro Ser	505		
Thr Ser Thr Gly	515	Val Ala Phe Gln Pro Ser	525
Phe Glu Tyr Gln Gln	520		
Ile Leu Thr Glu	530	His Leu Leu Gln Asn Thr	540
Pro Pro Thr Glu Asp	535		
Leu Trp Pro Glu	545	Gly His Gly Tyr Glu Ile	555
Val Gln Lys Leu Tyr	550		
Phe Cys Val Thr	560	Thr Leu Leu Ala Ser Ala	570
Cys Asn Ser Ser Lys	565		
Cys Lys Ala Ala	575	Ala Ile Ile Leu Trp Asn	585
Lys Lys Glu His Ala	580		
Thr Thr Ser Trp	590	Leu Val Phe His Ser Leu	600
Lys Gln Val Gln Asn	595		
Thr Val Thr Gln	605	Met Ala Phe Ser Pro Asn Glu Lys Phe Leu Leu	615
Met Ala Phe Ser Pro	610		
Ala Val Ser Arg	620	Leu Trp Lys Lys Gln Asp	630
Asp Arg Thr Trp Ser	625		
Thr Ile Ser Pro	635	Phe Ser Leu Phe Ala Phe	645
Glu Phe Glu Pro Val	640		
Thr Asn Lys Ile	650	Thr Ser Val His Ser Arg Ile Ile Trp Ser Cys	660
Thr Ser Val His Ser	655		
Asp Trp Ser Pro	665	Phe Thr Gly Ser Arg Asp	675
Asp Ser Lys Tyr Phe	670		
Lys Lys Val Val	680	Val Trp Gly Glu Cys Asp Ser Thr Asp Asp Cys	690
Val Trp Gly Glu Cys	685		
Ile Glu His Asn	695	Ser Val Leu Asp Val Gly	705
Ile Gly Pro Cys Ser	700		
Gly Ala Val Thr	710	Pro Val Leu His Pro Ser	720
Ala Val Ser Val Cys	715		
Gln Arg Tyr Val	725	Glu Cys Gly Lys Ile Cys	735
Val Ala Val Gly Leu	730		
Leu Tyr Thr Trp	740	Val Pro Glu Ile Asn Asp	750
Lys Lys Thr Asp Gln	745		
	755		765

Trp	Thr	His	Cys	Val	Glu	Thr	Ser	Gln	Ser	Gln	Ser	His	Thr	Leu
				770					775					780
Ala	Ile	Arg	Lys	Leu	Cys	Trp	Lys	Asn	Cys	Ser	Gly	Lys	Thr	Glu
				785					790					795
Gln	Lys	Glu	Ala	Glu	Gly	Ala	Glu	Trp	Leu	His	Phe	Ala	Ser	Cys
				800					805					810
Gly	Glu	Asp	His	Thr	Val	Lys	Ile	His	Arg	Val	Asn	Lys	Cys	Ala
				815					820					825

Leu

<210> 27
 <211> 618
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3029920CD1

<400> 27

Met	Lys	Lys	Asp	Val	Arg	Ile	Leu	Leu	Val	Gly	Glu	Pro	Arg	Val
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Gly	Lys	Thr	Ser	Leu	Ile	Met	Ser	Leu	Val	Ser	Glu	Glu	Phe	Pro
				20					25					30
Glu	Glu	Val	Pro	Pro	Arg	Ala	Glu	Glu	Ile	Thr	Ile	Pro	Ala	Asp
				35					40					45
Val	Thr	Pro	Glu	Arg	Val	Pro	Thr	His	Ile	Val	Asp	Tyr	Ser	Glu
				50					55					60
Ala	Glu	Gln	Ser	Asp	Glu	Gln	Leu	His	Gln	Glu	Ile	Ser	Gln	Ala
				65					70					75
Asn	Val	Ile	Cys	Ile	Val	Tyr	Ala	Val	Asn	Asn	Lys	His	Ser	Ile
				80					85					90
Asp	Lys	Val	Thr	Ser	Arg	Trp	Ile	Pro	Leu	Ile	Asn	Glu	Arg	Thr
				95					100					105
Asp	Lys	Asp	Ser	Arg	Leu	Pro	Leu	Ile	Leu	Val	Gly	Asn	Lys	Ser
				110					115					120
Asp	Leu	Val	Glu	Tyr	Ser	Ser	Met	Glu	Thr	Ile	Leu	Pro	Ile	Met
				125					130					135
Asn	Gln	Tyr	Thr	Glu	Ile	Glu	Thr	Cys	Val	Glu	Cys	Ser	Ala	Lys
				140					145					150
Asn	Leu	Lys	Asn	Ile	Ser	Glu	Leu	Phe	Tyr	Tyr	Ala	Gln	Lys	Ala
				155					160					165
Val	Leu	His	Pro	Thr	Gly	Pro	Leu	Tyr	Cys	Pro	Glu	Glu	Lys	Glu
				170					175					180
Met	Lys	Pro	Ala	Cys	Ile	Lys	Ala	Leu	Thr	Arg	Ile	Phe	Lys	Ile
				185					190					195
Ser	Asp	Gln	Asp	Asn	Asp	Gly	Thr	Leu	Asn	Asp	Ala	Glu	Leu	Asn
				200					205					210
Phe	Phe	Gln	Arg	Ile	Cys	Phe	Asn	Thr	Pro	Leu	Ala	Pro	Gln	Ala
				215					220					225
Leu	Glu	Asp	Val	Lys	Asn	Val	Val	Arg	Lys	His	Ile	Ser	Asp	Gly
				230					235					240
Val	Ala	Asp	Ser	Gly	Leu	Thr	Leu	Lys	Gly	Phe	Leu	Phe	Leu	His
				245					250					255

Thr Leu Phe Ile Gln Arg Gly Arg His Glu Thr Thr Trp Thr Val
 260 265 270
 Leu Arg Arg Phe Gly Tyr Asp Asp Asp Leu Asp Leu Thr Pro Glu
 275 280 285
 Tyr Leu Phe Pro Leu Leu Lys Ile Pro Pro Asp Cys Thr Thr Glu
 290 295 300
 Leu Asn His His Ala Tyr Leu Phe Leu Gln Ser Thr Phe Asp Lys
 305 310 315
 His Asp Leu Asp Arg Asp Cys Ala Leu Ser Pro Asp Glu Leu Lys
 320 325 330
 Asp Leu Phe Lys Val Phe Pro Tyr Ile Pro Trp Gly Pro Asp Val
 335 340 345
 Asn Asn Thr Val Cys Thr Asn Glu Arg Gly Trp Ile Thr Tyr Gln
 350 355 360
 Gly Phe Leu Ser Gln Trp Thr Leu Thr Thr Tyr Leu Asp Val Gln
 365 370 375
 Arg Cys Leu Glu Tyr Leu Gly Tyr Leu Gly Tyr Ser Ile Leu Thr
 380 385 390
 Glu Gln Glu Ser Gln Ala Ser Ala Val Thr Val Thr Arg Asp Lys
 395 400 405
 Lys Ile Asp Leu Gln Lys Lys Gln Thr Gln Arg Asn Val Phe Arg
 410 415 420
 Cys Asn Val Ile Gly Val Lys Asn Cys Gly Lys Ser Gly Val Leu
 425 430 435
 Gln Ala Leu Leu Gly Arg Asn Leu Met Arg Gln Lys Lys Ile Arg
 440 445 450
 Glu Asp His Lys Ser Tyr Tyr Ala Ile Asn Thr Val Tyr Val Tyr
 455 460 465
 Gly Gln Glu Lys Tyr Leu Leu Leu His Asp Ile Ser Glu Ser Glu
 470 475 480
 Phe Leu Thr Glu Ala Glu Ile Ile Cys Asp Val Val Cys Leu Val
 485 490 495
 Tyr Asp Val Ser Asn Pro Lys Ser Phe Glu Tyr Cys Ala Arg Ile
 500 505 510
 Phe Lys Gln His Phe Met Asp Ser Arg Ile Pro Cys Leu Ile Val
 515 520 525
 Ala Ala Lys Ser Asp Leu His Glu Val Lys Gln Glu Tyr Ser Ile
 530 535 540
 Ser Pro Thr Asp Phe Cys Arg Lys His Lys Met Pro Pro Pro Gln
 545 550 555
 Ala Phe Thr Cys Asn Thr Ala Asp Ala Pro Ser Lys Asp Ile Phe
 560 565 570
 Val Lys Leu Thr Thr Met Ala Met Tyr Pro His Val Thr Gln Ala
 575 580 585
 Asp Leu Lys Ser Ser Thr Phe Trp Leu Arg Ala Ser Phe Gly Ala
 590 595 600
 Thr Val Phe Ala Val Leu Gly Phe Ala Met Tyr Lys Ala Leu Leu
 605 610 615
 Lys Gln Arg

<210> 28

<211> 596

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 3332415CD1

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Met	Glu	Pro	Glu	Leu	Asp	Ala	Gln	Lys	Gln	Pro	Arg	Pro	Arg	Arg		1	5	10	15
Arg	Ser	Arg	Arg	Ala	Ser	Gly	Leu	Ser	Thr	Glu	Gly	Ala	Thr	Gly		20	25	30	
Pro	Ser	Ala	Asp	Thr	Ser	Gly	Ser	Glu	Leu	Asp	Gly	Arg	Cys	Ser		35	40	45	
Leu	Arg	Arg	Gly	Ser	Ser	Phe	Thr	Phe	Leu	Thr	Pro	Gly	Pro	Asn		50	55	60	
Trp	Asp	Phe	Thr	Leu	Lys	Arg	Lys	Arg	Arg	Glu	Lys	Asp	Asp	Asp		65	70	75	
Val	Val	Ser	Leu	Ser	Ser	Leu	Asp	Leu	Lys	Glu	Pro	Ser	Asn	Lys		80	85	90	
Arg	Val	Arg	Pro	Leu	Ala	Arg	Val	Thr	Ser	Leu	Ala	Asn	Leu	Ile		95	100	105	
Ser	Pro	Val	Arg	Asn	Gly	Ala	Val	Arg	Arg	Phe	Gly	Gln	Thr	Ile		110	115	120	
Gln	Ser	Phe	Thr	Leu	Arg	Gly	Asp	His	Arg	Ser	Pro	Ala	Ser	Ala		125	130	135	
Gln	Lys	Phe	Ser	Ser	Arg	Ser	Thr	Val	Pro	Thr	Pro	Ala	Lys	Arg		140	145	150	
Arg	Ser	Ser	Ala	Leu	Trp	Ser	Glu	Met	Leu	Asp	Ile	Thr	Met	Lys		155	160	165	
Glu	Ser	Leu	Thr	Thr	Arg	Glu	Ile	Arg	Arg	Gln	Glu	Ala	Ile	Tyr		170	175	180	
Glu	Met	Ser	Arg	Gly	Glu	Gln	Asp	Leu	Ile	Glu	Asp	Leu	Lys	Leu		185	190	195	
Ala	Arg	Lys	Ala	Tyr	His	Asp	Pro	Met	Leu	Lys	Leu	Ser	Ile	Met		200	205	210	
Ser	Glu	Glu	Glu	Leu	Thr	His	Ile	Phe	Gly	Asp	Leu	Asp	Ser	Tyr		215	220	225	
Ile	Pro	Leu	His	Glu	Asp	Leu	Leu	Thr	Arg	Ile	Gly	Glu	Ala	Thr		230	235	240	
Lys	Pro	Asp	Gly	Thr	Val	Glu	Gln	Ile	Gly	His	Ile	Leu	Val	Ser		245	250	255	
Trp	Leu	Pro	Arg	Leu	Asn	Ala	Tyr	Arg	Gly	Tyr	Cys	Ser	Asn	Gln		260	265	270	
Leu	Ala	Ala	Lys	Ala	Leu	Leu	Asp	Gln	Lys	Lys	Gln	Asp	Pro	Arg		275	280	285	
Val	Gln	Asp	Phe	Leu	Gln	Arg	Cys	Leu	Glu	Ser	Pro	Phe	Ser	Arg		290	295	300	
Lys	Leu	Asp	Leu	Trp	Ser	Phe	Leu	Asp	Ile	Pro	Arg	Ser	Arg	Leu		305	310	315	
Val	Lys	Tyr	Pro	Leu	Leu	Lys	Glu	Ile	Leu	Lys	His	Thr	Pro			320	325	330	
Lys	Glu	His	Pro	Asp	Val	Gln	Leu	Leu	Glu	Asp	Ala	Ile	Leu	Ile		335	340	345	
Ile	Gln	Gly	Val	Leu	Ser	Asp	Ile	Asn	Leu	Lys	Lys	Gly	Glu	Ser		350	355	360	
Glu	Cys	Gln	Tyr	Tyr	Ile	Asp	Lys	Leu	Glu	Tyr	Leu	Asp	Glu	Lys		365	370	375	

Gln Arg Asp Pro Arg Ile Glu Ala Ser Lys Val Leu Leu Cys His
 380 385 390
 Gly Glu Leu Arg Ser Lys Ser Gly His Lys Leu Tyr Ile Phe Leu
 395 400 405
 Phe Gln Asp Ile Leu Val Leu Thr Arg Pro Val Thr Arg Asn Glu
 410 415 420
 Arg His Ser Tyr Gln Val Tyr Arg Gln Pro Ile Pro Val Gln Glu
 425 430 435
 Leu Val Leu Glu Asp Leu Gln Asp Gly Asp Val Arg Met Gly Gly
 440 445 450
 Ser Phe Arg Gly Ala Phe Ser Asn Ser Glu Lys Ala Lys Asn Ile
 455 460 465
 Phe Arg Ile Arg Phe His Asp Pro Ser Pro Ala Gln Ser His Thr
 470 475 480
 Leu Gln Ala Asn Asp Val Phe His Lys Gln Gln Trp Phe Asn Cys
 485 490 495
 Ile Arg Ala Ala Ile Ala Pro Phe Gln Ser Ala Gly Ser Pro Pro
 500 505 510
 Glu Leu Gln Gly Leu Pro Glu Leu His Glu Glu Cys Glu Gly Asn
 515 520 525
 His Pro Ser Ala Arg Lys Leu Thr Ala Gln Arg Arg Ala Ser Thr
 530 535 540
 Val Ser Ser Val Thr Gln Val Glu Val Asp Glu Asn Ala Tyr Arg
 545 550 555
 Cys Gly Ser Gly Met Gln Met Ala Glu Asp Ser Lys Ser Leu Lys
 560 565 570
 Thr His Gln Thr Gln Pro Gly Ile Arg Arg Ala Arg Asp Lys Ala
 575 580 585
 Leu Ser Gly Gly Lys Arg Lys Glu Thr Leu Val
 590 595

<210> 29

<211> 589

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4031536CD1

<400> 29

Met Ser Lys Pro Gly Lys Pro Thr Leu Asn His Gly Leu Val Pro
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 Val Asp Leu Lys Ser Ala Lys Glu Pro Leu Pro His Gln Thr Val
 20 25 30
 Met Arg Ile Phe Ser Ile Ser Ile Ile Ala Gln Gly Leu Pro Phe
 35 40 45
 Cys Arg Arg Arg Met Lys Arg Lys Leu Asp His Gly Ser Glu Val
 50 55 60
 Arg Ser Phe Ser Leu Gly Lys Lys Pro Cys Lys Val Ser Glu Tyr
 65 70 75
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 Phe Gly Asp Leu Arg Ala Ala Asn Gly Gln Gly Gln Gln Arg Arg

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Arg Ile Thr Ser	Val Gln Pro Pro Thr	Gly Leu Gln Glu Trp	Leu
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Lys Met Phe Gln	Ser Trp Ser Gly Pro	Glu Lys Leu Leu Ala	Leu
	125	130	135
Asp Glu Leu Ile	Asp Ser Cys Glu Pro	Thr Gln Val Lys His	Met
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Met Gln Val Ile	Glu Pro Gln Phe Gln	Arg Asp Phe Ile Ser	Leu
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Leu Pro Lys Glu	Leu Ala Leu Tyr Val	Leu Ser Phe Leu Glu	Pro
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Lys Asp Leu Leu	Gln Ala Ala Gln Thr	Cys Arg Tyr Trp Arg	Ile
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Leu Ala Glu Asp	Asn Leu Leu Trp Arg	Glu Lys Cys Lys Glu	Glu
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Gly Ile Asp Glu	Pro Leu His Ile Lys	Arg Arg Lys Val Ile	Lys
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Pro Gly Phe Ile	His Ser Pro Trp Lys	Ser Ala Tyr Ile Arg	Gln
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His Arg Ile Asp	Thr Asn Trp Arg Arg	Gly Glu Leu Lys Ser	Pro
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Lys Val Leu Lys	Gly His Asp Asp His	Val Ile Thr Cys Leu	Gln
	260	265	270
Phe Cys Gly Asn	Arg Ile Val Ser Gly	Ser Asp Asp Asn Thr	Leu
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Lys Val Trp Ser	Ala Val Thr Gly Lys	Cys Leu Arg Thr Leu	Val
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Glu Thr Gly Glu	Cys Ile His Thr Leu	Tyr Gly His Thr Ser	Thr
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Val Arg Cys Met	His Leu His Glu Lys	Arg Val Val Ser Gly	Ser
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Arg Asp Ala Thr	Leu Arg Val Trp Asp	Ile Glu Thr Gly Gln	Cys
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Leu His Val Leu	Met Gly His Val Ala	Ala Val Arg Cys Val	Gln
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Tyr Asp Gly Arg	Arg Val Val Ser Gly	Ala Tyr Asp Phe Met	Val
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Lys Val Trp Asp	Pro Glu Thr Glu Thr	Cys Leu His Thr Leu	Gln
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Thr Ser Gly Met	Glu Leu Lys Asp Asn	Ile Leu Val Ser Gly	Asn
	470	475	480
Ala Asp Ser Thr	Val Lys Ile Trp Asp	Ile Lys Thr Gly Gln	Cys
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Leu Gln Thr Leu	Gln Gly Pro Asn Lys	His Gln Ser Ala Val	Thr
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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 708398CB1

<400> 30

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<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1259937CB1

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<211> 892

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1452285CB1

<400> 32

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<400> 33

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<210> 36

<211> 1776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4203832CE1

<400> 36

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<210> 37

<211> 1316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 104368CB1

<400> 37

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<210> 38

<211> 1554

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1441680CB1

<400> 38

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<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1494955CB1

<400> 39

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<210> 40

<211> 879

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1508161CB1

<400> 40

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<210> 41
 <211> 2248
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1811877CB1

<400> 41
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1848674CB1

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<220>

<221> unsure

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<222> 3128, 3136, 3138, 3140, 3141, 3143, 3145, 3147, 3149

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<220>

<221> misc_feature

<223> Incyte ID No: 2707969CB1

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2226116CB1

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<400> 55

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<223> Incyte ID No: 3029920CB1

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